

Catalog Home

2016-17 Undergraduate & Graduate Academic Catalog

Dear Student,

Welcome to Purdue University Northwest—the first academic year of our innovative, newly unified institution. PNW is a university of two respected Purdue campuses 35 miles apart in the Northwest Indiana communities of Hammond and Westville.

In early 2014, planning began to combine Purdue Calumet and Purdue North Central into one extraordinary Purdue University Northwest.

What makes PNW extraordinary? You! First and foremost, Purdue Northwest is all about being a student-centered university. Serving you and helping you persist through any of some 70 programs of study to earn your highly valued Purdue degree is our top priority.

As Indiana's fifth largest university, Purdue Northwest is committed to offering you:

- Academic excellence;
- Learning opportunities of engagement and discovery through traditional and real world environments;
- The support services and resources of two, thriving Purdue campuses to help you succeed;
- Concerned, caring and accessible faculty; and
- Affordability—Did you know our tuition is the lowest of any baccalaureate degree-granting university in Indiana?

Purdue Northwest offers academic programs and houses specialized instructional facilities that are nationally respected. As for diversity, your classmates and friends come from across our region and across our globe, as more than 50 nations are represented on our campuses.

As a PNW student, you can attend courses on either campus, or you can complete most degree programs entirely at one campus.

As you join some 15,000 classmates blazing new trails as a Purdue Northwest student, I encourage you to refer to this catalog so you can take advantage of all PNW has to offer.

Sincerely,

Thomas L. Keon

Disclaimers

The provisions of this publication are subject to change without notice and do not constitute an irrevocable contract between any student or applicant for admission and Purdue University Northwest. The University is not responsible for any misrepresentation of its requirements or provisions that might arise as a result of errors in the preparation of this publication.

Purdue University Northwest has reserved the right to add, amend, or repeal any of its regulations, rules, resolutions, standing orders, and rules of procedures, in whole or in part, at such times as it may choose. None shall be construed, operate as, or have the effect of any abridgement or limitation of any rights, powers, or privileges of the Board of Trustees.

Every effort has been made to assure the accuracy of the information in this publication. Students are advised, however, that such information is subject to change. Therefore, they should consult the appropriate academic department or administrative offices for current information.

Non Discrimination Policy Statement

Purdue University is committed to maintaining a community which recognizes and values the inherent worth and dignity of every person; fosters tolerance, sensitivity, understanding, and mutual respect among its members; and encourages each individual to strive to reach his or her own potential. In pursuit of its goal of academic excellence, the University seeks to develop and nurture diversity. The University believes that diversity among its many members strengthens the institution, stimulates creativity, promotes the exchange of ideas, and enriches campus life. Purdue University views, evaluates, and treats all persons in any University related activity or circumstance in which they may be involved, solely as individuals on the basis of their own personal abilities, qualifications, and other relevant characteristics. Purdue University prohibits discrimination against any member of the University community on the basis of race, religion, color, sex, age, national origin or ancestry, genetic information, marital status, parental status, sexual orientation, gender identity and expression, disability, or status as a veteran. The University will conduct its programs, services and activities consistent with applicable federal, state and local laws, regulations and orders and in conformance with the procedures and limitations as set forth in Purdue's Equal Opportunity, Equal Access and Affirmative Action policy Executive Memorandum No. D-1, which provides specific contractual rights and remedies. Additionally, the University promotes the full realization of equal employment opportunity for women, minorities, persons with disabilities and veterans through its affirmative action program.

Any question of interpretation regarding this Nondiscrimination Policy Statement shall be referred to the Vice President for Ethics and Compliance for final determination.

Title IX

"No person in the United States shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any educational program or activity receiving Federal financial assistance." - Title IX

Title IX is part of the Education Amendments of 1972 to the 1964 Civil Rights Act and is enforced by the U.S. Department of Education. This federal law prohibits discrimination on the basis of sex in education programs or activities operated by recipients of federal financial assistance. Title IX applies to all participants of such programs, including students, parents and faculty/staff members. The purpose of Title IX is to help foster safe and respectful University environments that better protect students, faculty and staff from incidents of sex-based discrimination and sexual harassment, including sexual violence, relationship violence and stalking.

As Purdue University Northwest Title IX Officer for the Hammond location, Linda B. Knox, Director for the Office of Equity & Diversity, is responsible for coordinating Purdue University's compliance with Title IX, including overseeing all complaints of sex discrimination and identifying and addressing any patterns or systemic problems that arise during the review of such complaints. Questions or concerns may be directed as follows:

Linda B. Knox
Director, Office of Equity & Diversity
Lawshe Hall, Room 231
2200 169th Street
Hammond, IN 46323-2094
219-989-2337 (office); 219-989-4187 (fax)
(219) 989-3169
linda.knox@pnw.edu

Equity Diversity & Inclusion Web site: <http://www.pnw.edu/diversity/title-ix/>

As Purdue University Northwest's Title IX Coordinator for the Westville location, Laura Odom, Associate Director of the Office of Institutional Equity and Training, is responsible for coordinating the University's compliance with Title IX, including overseeing all complaints of sex discrimination and identifying and addressing any patterns or systemic problems that arise during the review of such complaints. Questions or concerns may be directed as follows:

Laura Odom
Associate Director of Office of Institutional Equity (OIE)
Schwarz Hall, Room 25C
1401 S. U.S. Hwy 421
Westville, IN 46391
(219) 785-5545
odoml@pnw.edu

In light of recent reports concerning a university's response to allegations of child abuse, you are reminded that under Indiana law, each person over the age of 18 has a duty to report child abuse or neglect. In the event of an emergency, call 911. If it is not an emergency, immediately alert the police or Child Protective Services (1-800-800-5556). Thank you for your commitment to the safety of children on our campuses.

Your Campus, Your Safety

Your Campus, Your Safety - Purdue University Northwest's annual security and fire safety reports are available online. This report is required by federal law and contains policy statements and crime statistics for Purdue University Northwest. The policy statements address Purdue University Northwest's policies, procedures and programs concerning safety and security (i.e., policies for responding to emergency situations and sexual offenses). Three years' worth of statistics are included for certain types of crimes that were reported to have occurred on campus, in or on off-campus buildings or property owned or controlled by the school and on public property within or immediately adjacent to the campus. The reports are available online by campus location:

Hammond location

<http://www.pnw.edu/police/wp-content/uploads/sites/33/annual-security-report-hammond.docx>

You may also request a paper copy from the Police Department, located in the University Police Building (just south and east of the 169th St. entrance).

Westville location

<http://www.pnw.edu/police/north-central-campus/safety-westville/>

You may also request a paper copy from the Police Department located at the Physical Facility/Campus Police Building Room 101

About Purdue University Northwest

2016-17 marks the first academic year of Purdue University Northwest. The comprehensive, Northwest Indiana-based institution is a unification of the former Purdue University Calumet of Hammond and Purdue University North Central of Westville. A single university of two campuses located 35 miles apart just outside the Chicago metropolitan area, Purdue Northwest is part of the internationally-respected Purdue University system, Indiana's land grant institution.

Purdue Northwest was established to better serve students and the Northwest Indiana region.

History

The genesis of Purdue Northwest through its two campuses emerged during World War II when Purdue University in cooperation with the federal government offered technical classes to Northwest Indiana production workers in response to war effort needs. When the war ended, higher education took on new meaning in a region of returning soldiers and others eager to advance their futures.

Purdue introduced degree credit courses in a variety of facilities in and around Hammond in 1946 and in Michigan City and La Porte as early as 1949.

Subsequently, land Purdue acquired through the Ross-Ade Foundation paved the way for development of two campuses—one south of Michigan City near Westville and the other in Hammond's Woodmar neighborhood. The first building on the Hammond location opened in late 1951. A permanent Westville location introduced classes in fall of 1967.

Both campuses grew and developed into comprehensive regional universities, collectively awarding more than 67,000 undergraduate and graduate degrees through spring 2016 and enrolling some 15,000 students during the 2015-16 academic year, while also responding to the professional, cultural and economic needs of Northwest Indiana and beyond.

Emergence of Purdue University Northwest

Purdue University announced February 26, 2014 that Purdue University Calumet and Purdue University North Central would unify their respective administrations. Through a detailed unification process, both campuses would be preserved and administrative, academic oversight and other functions would be combined.

The unification of two campuses into one university would enable more resources to be reallocated to advance educational quality, student success, efficiency and a more impactful response to specific needs of Northwest Indiana. In short, an extraordinary university of two strong campuses would emerge that would better serve students, families, business, industry and economic development.

The Purdue Board of Trustees approved Purdue University Northwest as the name of the unified institution in July 2014. Purdue Trustees also approved a plan in October 2015 to reorganize the 11 academic colleges of Calumet and North Central into six Purdue Northwest colleges. The establishment of Purdue University Northwest became official when the Higher Learning Commission granted approval March 4, 2016.

Purdue Northwest Senior Leadership

A single Board of Trustees governs the entire Purdue University system through the President of the University.

The Chancellor of Purdue University Northwest is the senior administrative officer on campus and reports to the President of Purdue University. Serving the Chancellor as senior administrators are:

- Vice Chancellor for Academic Affairs and Provost – responsible for all academic programs and the Center for Learning and Academic Success.
- Vice Chancellor for Finance and Administration – responsible for the business affairs of the university, including budget and finance, human resources, buildings and grounds, and university police.
- Vice Chancellor for Institutional Advancement – responsible for advancing the university and overseeing alumni relations, communications, fund raising, university and community relations, and marketing.
- Vice Chancellor for Enrollment Management and Student Affairs – oversees the many services and functions the university offers to advance student success and nurture student life and community on campus, including enrollment related services.
- Vice Chancellor for Information Services – responsible for connecting the changing, emerging needs of technology with the knowledge generated through library resources.
- Athletic Director – responsible for administering all aspects of the university's 13-team intercollegiate athletic program.

Purdue University Board of Trustees

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- Mary Jane Dopp, Director of Advancement Resources and Donor Stewardship
- Kris Falzone, Associate Vice Chancellor for Marketing and Communications
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Carmen Panlilio, Vice Chancellor for Enrollment Management and Student Affairs

- Lisa Goodnight, Associate Vice Chancellor for Student Affairs/Senior Dean of Students
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- Sandra Steele, Assistant Vice Chancellor for Enrollment Management
- John Weber, Assistant Vice Chancellor for Student Affairs/Dean of Students

Timothy Winders, Vice Chancellor for Information Services

- Tammy Guerrero, Director of University Libraries

- Katie Gutierrez, Lead Security Analyst
- Jason Inman, Director of Customer Service
- Paul Johansen, Executive Director of Enterprise Applications Services
- Stefan Yanef, Budget and Financial Analyst
- Heather Zamojski, Assistant Vice Chancellor for Learning Technologies

Calendars

Academic Calendar - <http://www.pnw.edu/registration/academic-calendar/>

University Calendar - <http://www.pnw.edu/calendar/>

Academics

Purdue Northwest offers some 70 undergraduate and graduate degree programs of study and nearly 40 professional certificate programs. The university's six academic Colleges are:

- Business
- Engineering and Sciences
- Humanities, Education and Social Sciences
- Nursing
- Technology
- Honors

Mission Vision Values

Mission: Purdue University Northwest, in the land grant tradition of learning, discovery and engagement, provides high quality, affordable undergraduate and graduate education to students of Northwest Indiana and beyond. We create a welcoming environment that promotes critical inquiry through experiential learning, faculty scholarship, civic engagement and community partnerships.

Vision: Purdue University Northwest will be the institution of choice in Northwest Indiana and beyond as the center for education, innovation, economic development and culture.

Values: The students, faculty, staff, alumni and entire Purdue University Northwest community:

- Embody a commitment to excellence in all we do
- Foster a culture that supports growth and success for students, faculty and staff
- Create a welcoming, collegial environment that celebrates diversity
- Demonstrate respect, caring, dignity and inclusion for all
- Promote global citizenship, through learning, interconnectedness, strong stewardship and focusing on improving social outcomes
- Promote growth and mutual success through developing and leveraging partnerships throughout the area
- Act with honesty and integrity, adhering to the highest ethical standards of personal and professional behavior, in communicating, learning, teaching, research and public service.
- Accept personal and institutional responsibility for everything we do
- Innovate to increase lifelong learning
- Demonstrate pride in our university, community, ourselves and one another

Overarching Strategy and Goals

Purdue University Northwest will differentiate itself by offering world-class educational opportunities at an excellent value to all students; by attracting students who thrive in a welcoming, diverse, inclusive environment that promotes academic rigor; by supporting strong faculty and academic programs; by enhancing a vibrant university community; and by promoting the economic well-being of Northwest Indiana, the State, and society as a whole.

Strategic Goals

1. **Student access and success** – Focus on academic, personal and career success and continually work to improve our resources so that qualified students have the opportunity and ability to thrive during their experience on campus and in their lives.
2. **Academic excellence** – Advance academic excellence, the foundation of all we do at Purdue Northwest. We are committed to maintaining and growing a rich teaching-learning environment through the recruitment, retention, and development of high-quality faculty and staff. Equally, we are committed to maintaining distinctive programs and developing quality programs designed to serve regional, national and global needs. Degree programs, dedicated staff and university resources center on providing students opportunities and challenges as they prepare for future success.
3. **Learning through engagement and discovery** – Promote collaborative work, experiential learning and research to give students a rich learning environment that cultivates a lifetime of community involvement and leadership.
4. **Inclusivity and diversity** – Promote a university climate that is welcoming and diverse in which all individuals experience being a valued member of the community. Similarities and differences are accepted and respected. Our communication is collaborative and collegial.
5. **Community and business engagement** – Participate in productive partnerships between business and community organizations and Purdue University Northwest students, faculty and staff that offer opportunities for mutual benefit while strengthening the university and enriching society.
6. **Premier infrastructure** – Support a rich academic learning experience through physical resources, technology, processes, policies and practices.

Accreditation

The Higher Learning Commission - 230 South LaSalle St., Suite 7-500 Chicago, IL 60604-1411, accredits Purdue University Northwest. Telephone: 312-263-0456; Toll Free 800-621-7440
<https://www.hlcommission.org/>

All specialty accreditors, with current names, phone numbers and website URLs, are listed on
<http://academics.pnw.edu/academic-affairs/accreditation/accrediting-agencies/>.

For further Accreditation language, please visit the following website: <http://academics.pnw.edu/academic-affairs/accreditation/>

Admission to Purdue University Northwest

The Office of Undergraduate Admissions offers Open Houses, Instant Decisions Days (IDD) and Express Admission Days (EAD), and provides guided campus tours and pre-admissions counseling appointments. For more information please contact us at either of our campus locations:

Office of Undergraduate Admissions Lawshe Hall, Room 130
Purdue University Northwest, Hammond Campus
2200 169th St Hammond, Indiana 46323-2094
Phone: (219) 989-2213 Toll-free: (855) 608-4600

Office of Undergraduate Admissions, Technology Building, Room 157
Purdue University Northwest, Westville Campus
1401 South US Highway 421
Westville, IN 46391
Phone: (219) 785-5460 Toll-free: (855) 608-4600

Website: <http://www.pnw.edu/admissions/>

Information on Graduate Admissions maybe found in the Graduate School section.

First Time Degree-Seeking College Students

Applicants are required to submit the following to be considered for admission:

1. Completed Application, (A non-refundable \$25 application fee is required.
2. Official High School Transcript and/or GED Scores - Note: Domestic students with transcripts from international institutions must submit an official course by course evaluation of their foreign courses from a member of the National Association of Credential Evaluation Services (NACES).
3. SAT, rSAT, or ACT standardized test scores. For applicants whose high school graduation date was more than one year prior to their intended semester of enrollment, appropriate placement test results from Testing Services Center at PNW will substitute for SAT, rSAT or ACT scores.

Acceptance

Admission to Purdue University Northwest is based on demonstrated academic quality rank factors, which include a high school diploma (Core 40 diploma is required for applicants who graduated in 2011 and forward from an Indiana public high school) or GED, meeting subject matter requirements, grade average in degree-related subjects, as well as overall grade average, class rank, SAT, rSAT or ACT test scores and the strength of the college preparatory program.

Admissions Decisions

The Office of Undergraduate Admissions will evaluate applications and make one of the following determinations:

1. **Direct Admission** - Applicants that meet all quality rank requirements for a particular program will be directly admitted into their choice of major and/or concentration.
2. **Non-Direct Admission** - Applicants who DO NOT meet the quality rank requirements for a particular program may be offered admission into a Career Pathway.

3. **Denied admission** - The applicant will not be admitted to the university until adequate background and preparation for university work can be demonstrated.
4. **Incomplete admission** - The applicant has not provided all of the information or documentation necessary for the Office of Undergraduate Admissions to determine eligibility.

Degree-Seeking Transfer Students

An applicant transferring from another college (non-Purdue campus) must submit the following items:

- Completed application with a \$25 application fee (non-refundable)
- \$30 transcript evaluation fee
- Official college transcripts from each institution of higher education attended. All previous college coursework must be disclosed and submitted to the Office of Undergraduate Admissions
- Official high school transcript and/or, GED scores. Not required if applicant has obtained at least 24 transferable credit hours from a regionally accredited institution
- Domestic students with transcripts from international institutions must submit an official course by course evaluation of their foreign courses from a member of the National Association of Credential Evaluation Services (NACES)

Transfer Student Admission Criteria

1. The applicant must have at least 12 semester (or semester-equivalent hours) of college level work completed with a cumulative grade point average of at least 2.0/4.0 from the last college attended. Some programs require a specific cumulative grade point average and pre-requisite transfer courses completed for transfer student admission;
2. The applicant must have successfully completed College Composition I (equivalent to ENGL 10400) at a regionally accredited institution of higher education.

How transfer credit is established:

- Purdue University Northwest accepts credit from regionally accredited institutions for college level classes in which the student has received a grade of C- or better. The University reserves the right to determine the transferability and acceptance of transfer credit. Grades from transfer courses do not transfer, only credits.
- Course equivalencies are determined by respective academic departments (e.g. math course equivalencies are determined by the Department of Mathematics)
- Transfer courses will be evaluated by an academic advisor on an individual basis to determine how credits will apply toward plan of study and graduation requirements
- Purdue University Northwest accepts a maximum of 90 credits toward a baccalaureate degree from other regionally accredited colleges and universities.

Transfer Indiana Core Transfer Library

The Indiana Commission for Higher Education established the Core Transfer Library (CTL) to assist Indiana students who are contemplating transferring from one Indiana public institution to another. It is a list of general education courses and their equivalents at each institution.

To view the current list of approved CTL courses, go to the TransferIN website at www.TransferIn.net. New courses will be added to the list as they are approved. Approved courses have a TransferIN designation next to the course title. The transferability of these courses is based on the assumption that any and all other transfer requirements are met, i.e., specific grade must be earned, etc.

Prospective students are encouraged to contact our Transfer Specialists for assistance in selecting courses that will transfer to their intended Purdue program.

The Online Transfer Equivalency System

Students and faculty can efficiently evaluate transferring course credit through the Purdue University Northwest Transfer Equivalency System. This system compares Purdue University Northwest courses with that of other colleges and universities. If a course is not listed in the report, it does not mean that the course is not accepted, it simply means that this course has not yet been articulated. Transfer credit is subject to departmental acceptance and distribution and equivalencies can be changed at any time.

Re-Entry

Students Re-Entering Purdue University Northwest

Purdue Northwest students who have not attended for one year or longer but who were in good academic standing when they left must reapply for admission. Those applicants who have attended another college or university since their last attendance at Purdue Northwest must submit official college transcripts to receive an admission decision. Students re-entering who sought a degree from any Purdue campus must be in degree-seeking status upon return.

Re-Admission of Students

- A student who is academically dismissed from Purdue University Northwest for the first time will be ineligible to enroll for at least one fall or spring semester.
- A student who is academically dismissed for the second time will be ineligible to enroll for at least one year
- A student dropped by this rule must apply for readmission by filing a Readmission Application.

Indiana High School Dual Credit

Dual credit programs are partnerships between an individual high school or high school corporation and a particular college or university. Please contact the Executive Director of Concurrent Enrollment Programs to see if your school has entered into agreement with Purdue University Northwest.

Dr. Jeff Shires, Executive Director of Concurrent Enrollment Programs

1401 South US Highway 421

Westville, IN 46391

(219) 785-5669

jshires@pnw.edu

In Indiana, dual credit courses are those which high school students may take to earn both high school and college credits. Dual credit courses are taught by high school faculty or by adjunct college faculty either at the high school, at the college or university, or through on-line courses or distance education. Dual credit is one of several options a high school student may use to fulfill Core 40 diploma requirements with Academic Honors or Technical Honors.

Students wishing to fulfill Core 40 with Academic Honors or Technical Honors diploma requirements are encouraged to choose dual credit courses from either the Core Transfer Library (CTL) or from the courses listed by the Independent Colleges of Indiana

(ICI). Courses chosen from both the CTL and ICI list of courses may maximize the chances for the transferability of credit for courses and also meet the dual credit requirements necessary for Core 40 with Academic Honors or Technical Honors.

If students choose a dual credit course NOT on the CTL or on the courses listed by ICI, they should contact the college they plan to attend to see if the course can be transferred to that institution. Indiana colleges and universities provide many opportunities for students to earn college credit while still attending high school. For more information and the latest details visit <http://www.transferin.net/High-School-Students/Dual-Credit.aspx>

International Student Admission Requirements

The following documentation must be submitted in order to apply for an undergraduate program at Purdue University Northwest:

- **International Undergraduate Student Application.** Students who have not attended a previous university must submit a non-refundable \$25 application fee. Transfer students must submit a non-refundable application fee of \$55. This fee includes evaluation of all college transcripts.
 - Apply on-line, or download a paper copy, found on our website
<http://www.pnw.edu/international/admissions/undergraduate-admissions/2/>
- **Beginner Student:** Original or attested copies of all transcripts, diplomas, certificates and mark sheets from all secondary schools attended. Documents should be mailed in a sealed envelope from the secondary school or the examination board. If the original document is not in English, include a certified, detailed English translation.
- **Transfer Student:** Original or attested copies of academic transcripts from all secondary and post-secondary schools attended, mailed in a sealed envelope from the examination board, secondary school, or university. If the original document is not in English, include a certified, detailed English translation.
- **Evidence of financial support.** See details at: <http://www.pnw.edu/international/admissions/undergraduate-admissions/3/>
- **Proof of English Proficiency-provide one of the following:** (tests should be taken within the past 2 years)
 - Test of English as a Foreign Language (TOEFL) 79 iBT, or 550 paper based exam
 - International English Language Testing System (IELTS) 6.5
 - Scholastic Assessment Test (SAT) Critical Reading 480 or higher
 - British Ordinary Level English Language Exam (GCSE/IGCSE) Grade of A or B in first language English
 - **A minimum of 15 transferable credits from an accredited U.S.-based institution of higher education, including an English Composition course that is equivalent to Purdue University Northwest's ENGL 10400. The ENGL 10400 equivalent course cannot be taken on-line, through distance learning, or correspondence courses for international admission purposes.**

If you did not take, or have low English test scores for entry into a degree-seeking program, you may still be eligible for admission to the Purdue University Northwest's **English Language Program (ELP)**, located at the Hammond campus. Upon successful completion of ELP, students are eligible to transition to their academic program (TOEFL or above English Proficiency scores will not be required upon successful ELP completion). Visit the website for more information and application materials:

<http://www.pnw.edu/english-language-program/>
<http://www.pnw.edu/english-language-program/how-to-apply/>

Purdue University Northwest must receive all required application materials, on or before the dates indicated below:

June 1 - Fall Semester

November 15 - Spring Semester

April 1 - Summer Semester

Please mail your application materials to:

**Purdue University Northwest
Office of International Undergraduate Admissions
Classroom Office Building 176**

2200 169th Street
Hammond, IN 46323
USA
Phone: 219-989-2609
Fax: 219-989-8302
Email: iadmissions@pnw.edu

For information on admission requirements for International Graduate Students please visit: <http://academics.pnw.edu/grad-school/international-students/>

The International Affairs Office

The International Affairs Office (IAO) is committed to further internationalizing Purdue University Northwest and supporting global awareness through the development of international partnerships and exchanges, study abroad opportunities, increased international student enrollment, and cross-cultural programming on and off campus. In order to achieve its goals, IAO is comprised of five main units:

International Admissions, reviews and processes international student applications, evaluates foreign credentials, guides and advises prospective international students, processes transfer credit, works with sponsored students and partners, and assists with development of international partnerships. <http://www.pnw.edu/international/admissions/>

International Students and Scholars (ISS) provides international students with the appropriate support and advising on immigration matters in order to succeed in their academic, social, and cultural pursuits. <http://www.pnw.edu/international/immigration/>

International Programs, provides peer mentoring, organizes cross-cultural activities to enhance the American learning experience for international students, and contributes to the globalization of the Purdue Northwest campus. <http://www.pnw.edu/international/ipo/>

Education Abroad and Exchange develops and manages study abroad programs for PNW students including exchanges, internship, service-learning, and volunteer opportunities outside the U.S., as well as 'Study at PNW' semester and short-term programs for non-U.S. students. <http://www.pnw.edu/education-abroad/>

The English Language Program (ELP) provides degree-seeking students with essential language skills needed to succeed in their university studies and ESL/American culture classes for visiting international students. The program matches students with English speaking peer mentors for additional practice and interaction in and out of the classroom, and offers weekly cultural and educational excursions to local destinations. <http://www.pnw.edu/english-language-program/>

Fees at Purdue University Northwest

Fees for 2016-2017

Tuition and fees, set annually by the Purdue University Board of Trustees, are subject to change without notice. The fees listed below are for the 2016-2017 academic year.

Tuition 2016-2017

Resident Undergraduate fee per credit hour	\$224.85
Nonresident Undergraduate fee per credit hour	\$538.75
Resident Graduate fee per credit hour	\$284.50
Nonresident Graduate fee per credit hour	\$627.60
Laboratory fee per lab hour	\$ 65.30
Registration for examination only	\$204.32
Registration for degree only	\$204.32
Undergraduate Composite fee per credit hour	\$ 24.40
Graduate Composite fee per credit hour	\$18.25

Regular Fees

Application Fee for Undergraduate Programs	\$
This non-refundable fee is required.	25.00

Application Fee for Graduate School	\$
	60.00

Transcript Evaluation Fee	\$
	30.00

Fee is charged for evaluation of transfer credit. The fee is non-refundable and will not be credited to tuition and fees associated with course enrollment.

Readmission Fee	\$100.00
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Those students dropped by the university for academic reasons are assessed a fee before application for readmission will be processed.

Replacement of Student Service Fee Card

\$
15.00

Late Registration Fee: For students who register after classes begin, an additional nonrefundable fee of \$8.50 per credit hour will be assessed.

Breakage Fee: Usually included in course fees for the cost of normal breakage and wear and tear on equipment. An additional charge will be levied against individuals for excessive waste, loss or breakage, to be paid before course credit will be given.

Purdue Northwest will assess a differential fee based on students' majors in Nursing, Business, Engineering, and Technology programs beginning with students admitted Fall 2016. The fee will be used to fund and support educational advancements for students in the specific major, including faculty; support and coordination of professional career development; monitoring experimental learning activities; and maintenance of labs and capstone courses.

If a student fails to fulfill any financial obligation to any university department, the student's records will be encumbered. Students will be notified of the outstanding obligation and will be given a specified time to settle the account.

An encumbered record means that the student may not be allowed to register for courses at any Purdue University Campus and the student's official transcript will not be released until the financial obligation is satisfied.

Payment Responsibility/Payment Options

It is the student's responsibility to finalize payment options before the designated payment deadline date in order to prevent the cancellation of classes for the term enrolled. Students will save time and avoid lines by selecting a payment option before the designated payment deadline date.

Purdue University Northwest offers several convenient payment options to assist students to finance their educations.

Web Payment Plan (see section entitled Purdue University Northwest Payment Plan for detailed information)

- Access "Pay my Bill" through MyPNW to easily and conveniently pay your bill for any semester that you are registered at Purdue University Northwest.
- Accepted payment options online: Webcheck or Credit card (through Pay Path with a 2.75 % convenience fee). Access MyPNW via the Web at: www.pnw.edu
- Mail Check to: Bursar's Office, 2200 169th Street, Hammond, IN 46323-209, or Bursar's Office, 1401 S US HWY 421, Westville, IN 46391
- Night Deposit Box (located at the north side of Lawshe Hall off of Woodmar Avenue at the Hammond location or on the left side of the main doors to the Bursar's Office, SWRZ 127, at the Westville location)
- In Person: Cash, or Check. Students may select payment options in person at the Bursar's Office located in the Enrollment Services Center, Lawshe Hall, Room 130 at Calumet or Schwarz Hall, Room 127 at North Central.

For questions or concerns regarding payment responsibility and/or help with payment options, please contact the Bursar's Office at 219-989-2560 or 219-785-5337 or view their website at: www.pnw.edu/bursar

Purdue University Northwest Payment Plan - Fall 2016

25% due at time of signing up, with 3 payments on the 5th of Sept, Oct & Nov. Must sign up by 4:00 on August 11th. Payments will be automatically deducted from the form of payment they use for the down payment on the payment dates. 8% APR, no application fee.

Refunds

Course fees, technology fees, and student services fees will be refunded for withdrawal from full term classes according to the following schedule:

100% Prior to the semester starting
100% During the first week of classes
60% During the second week of classes
40% During the third week of classes
20% During the fourth week of classes
0% After the fourth week of classes

The policy during the summer semester is as follows:

100% Prior to session starting
100% During the first week of classes
40% During the second week of classes
0% After the second week of classes

Students must complete the withdrawal procedure by submitting a signed add/drop card to the Office of the Registrar (Enrollment Services Center — Lawshe Hall Room 130 at Hammond or Schwarz Hall Room 40 at Westville), to be eligible for a refund. A detailed schedule of the refund policy may be obtained from the Office of the Registrar. NOTE: Students must follow the withdrawal procedure outlined above to be officially withdrawn from a course. Failure to do so could result in the student being charged and receiving a failing grade in the class. No refund will be given for courses dropped after the fourth week of the semester.

Students whose registration is cancelled by the Dean of Students for disciplinary reasons will receive refunds based on this same schedule. Refunds of deposits on equipment are subject to regular service and breakage charges.

Return of Financial Aid (Title IV) Funds

For students who are the recipients of financial aid (Title IV) funds and withdraw from all of their classes prior to October 28th, 2016 for the Fall 2016 semester, or March 24th, 2017 for the Spring 2017 semester, or withdraw prior to the completion of more than 60% of any term, the institution is required to determine the amount of unearned financial aid funds that must be returned to the Title IV program(s). Depending on the amount of financial aid disbursed to students or onto students' accounts, students may be liable for a portion of the amount of unearned financial aid that must be returned to the Title IV program(s). To fully withdraw from the university, students can initiate the withdrawal process by telephone by contacting the Office of the Registrar Hammond location at (219) 989-2181 or by visiting the Enrollment Services Center located in Lawshe Hall, Room 130, or the Office of the Registrar, Westville location, in Schwarz Hall Room 40 at North Central.

Classification of Students as Resident or Non-Resident

The assessment of tuition and fees for a given semester is based on the student's residence classification on the first day of classes for that semester. Students who are not classified as residents of the State of Indiana are required to pay non-resident tuition. A student's residence classification continues in effect for subsequent semesters unless and until the classification is changed.

Responsibility for Residence Classification

The Director of Admissions or a designee determines the initial residence classification of an undergraduate student at the point that the student is admitted or re-enters the university. The Executive Dean or a designee determines the initial residence classification of each Graduate student at the time the student enters or re-enters the university.

All reclassifications are determined by the Registrar or a designee. Any of these authorities are authorized to require certificates, affidavits, documents, or any other evidence they deem necessary. The burden of proof is always on the student making a claim to resident student status. In addition to the required proof, to be considered domiciled in Indiana, a person must reside continuously in the state for a predominant purpose other than attending an institution of higher education for at least 12 months immediately preceding the first day of classes of the term for which resident classification is sought. Students who have further questions about residency reclassification may request a brochure from the offices of any of these authorities.

Changes in Residence Classification for Tuition Purposes

Either the student or the university may initiate an inquiry of residency classification. The non-resident student has the responsibility to apply to the Registrar for reclassification if the student believes that changes in the situation justify reclassification.

To apply for a change

The student must apply in writing, using a form available from the Office of the Registrar, at any time after the requirements for domicile have been met, but no later than 15 days after the start of classes for the semester in which reclassification is sought. The Registrar will make a decision no later than 30 days after the completed application is filed.

Penalties for Failure to Provide Adequate Information

A student who fails to notify the University of a change of facts or provides false information which might affect classification or reclassification from resident to non-resident status will be required to pay retroactively any tuition fees which would normally have been assessed.

The student who provides false information or conceals information to achieve resident status may also be subject to disciplinary action as well as other penalties under the law.

Residence Classification Review

A student who is not satisfied with a determination concerning his/her residence classification may appeal the decision to the Residence Appeals Committee, which convenes on the Hammond location. The appeal shall be in writing and shall include reasons for the appeal and a complete statement of the facts upon which the appeal is based, together with supporting affidavits, or other documentary evidence. The appeal must be filed within thirty days after the first day of classes of the academic session for which the determination is effective or within thirty days after the original decision has been reconsidered, whichever occurs later. Failure to file such an appeal within the specified time limit shall constitute a waiver of all claims to reconsideration for that academic session.

Financial Aid

The Office of Financial Aid works to assist prospective and current students with the application process and in finding sources of financial aid to pay for college. Purdue University Northwest (PNW) participates in Title IV federal, state and campus-based financial aid programs.

Should I Apply for Financial Aid?

It is recommended that ALL Purdue University Northwest students apply for financial aid (never assume you don't qualify). To find out if you are eligible for financial aid - federal, state, institutional, or private – YOU MUST APPLY!

Who is Eligible?

All students applying for financial aid must meet the following:

- Be a U S citizen or eligible non-citizen
- Have a valid Social Security Number
- Have a high school diploma or a General Education Development (GED) certificate
- Be enrolled or accepted for enrollment as a degree seeking student
- Be enrolled at least half-time to be eligible for Direct Loan program funds
- Maintain satisfactory academic progress
- Register with Selective Service, if required
- Sign the Free Application for Federal Student Aid (FAFSA)

Other requirements may apply. For more information, please contact the Office of Financial Aid.

Can I Estimate My Financial Aid?

You certainly can! An on-line Financial Aid Estimator is available to help students and families plan for educational costs at Purdue Northwest.

The Application Process

Applying for student financial aid is an annual activity that may begin as early as October 1, prior to the academic year the student is attending (beginning 2017-18). The Free Application for Federal Student Aid (FAFSA) – or, for previous filers, a Renewal FAFSA – is the key to determining the type and amount of assistance a student can receive.

Students who submit the FAFSA by March 10 prior to the academic year they will be attending, will be considered for all available types of financial aid. Those filing after the March 10 priority date may be considered only for federal financial aid programs. Students must complete the FAFSA; in addition, students and/or families may be required to submit other documentation as requested by the Office of Financial Aid. Some scholarships may require a separate application, information is available at: <http://admissions.pnw.edu/financial-aid/scholarships/>

Types of Financial Aid

Financial aid may be classified as gift assistance or self-help aid. Gift assistance is aid that generally does not have to be repaid. Gift assistance aid includes:

- Federal Pell Grants
- Federal Supplemental Education Opportunity Grants (FSEOG)
- Indiana Commission of Higher Education Awards including
 - Twenty-first Century Scholars, Frank O'Bannon grant, Adult Student grant and Children of Veteran and Public Safety Officer (CVO) benefits
- Institutional and private scholarships

Self-help aid generally must be repaid or earned, it includes:

- Federal Direct Stafford Loans (subsidized and unsubsidized)
- Federal Direct Parent Loans for Undergraduate Students (PLUS)
- Federal Direct Graduate PLUS loans for Graduate Students
- Perkins Loans
- Federal Work Study

Details on types of Financial Aid available at Purdue Northwest are available from the Office of Financial Aid and on the PNW Financial Aid website at: www.pnw.edu/finaid

Financial Aid Eligibility

When you complete the FAFSA, the information you report is used in a formula established by the federal government that calculates your Expected Family Contribution (EFC). The formula considers many factors including income, assets, taxes paid, family size and number of family members in college when determining the family's ability to contribute. If you feel you or your family have unusual circumstances or expenses that may affect your EFC, contact the Office of Financial Aid. Financial aid eligibility is based upon a determination of your financial need, which is the difference between the estimated cost of attendance and your Expected Family Contribution (EFC).

ESTIMATED COST OF ATTENDANCE minus EXPECTED FAMILY CONTRIBUTION (EFC) equals FINANCIAL NEED

Additional information on cost of attendance and financial aid budgets is available at:
<http://admissions.pnw.edu/financial-aid/cost-of-attendance/>

Important Dates and Information

There are several important dates that can impact your financial aid. Visit the Important Dates and Deadlines webpage often to check on dates and deadlines, found at:
<http://admissions.pnw.edu/financial-aid/important-deadlines/>

Important Notes

- All students must confirm enrollment each semester (fall, spring and summer). Confirm enrollment by logging into Student Self-Service. A tutorial is available at: <http://admissions.pnw.edu/financial-aid/confirm/>
- If you are a financial aid recipient and intend to fully withdraw from the university, you must initiate the withdrawal process by contacting the Office of the Registrar at
 - Hammond location – (219) 989-2210, or by visiting the Enrollment Services Center located in Lawshe Hall, Room 130

- Westville location – (219) 785-5342, or by visiting Schwarz Hall, Room 40
- Remember, it is your responsibility to verify your account status with the Office of Financial Aid and fulfill your payment obligation prior to the Final Payment Date or your classes may be cancelled.
 - If your Authorized Aid is less than your tuition and fee charges, you must pay the balance owed prior to the Final Payment Date or your classes may be cancelled
 - If your Authorized Aid is equal to or greater than your bill, your classes will be held, and you will need to contact the Office of the Registrar should you choose not to attend
- Changes in enrollment may result in a revised financial aid award. You must notify the Office of Financial Aid should you change your enrollment, stop attending, or drop below a half-time status.

Satisfactory Academic Progress Policy for Financial Aid Recipients

Purdue University Northwest will provide financial assistance to students whose academic progress meets certain criteria set forth by the University. To remain eligible for aid, students must make satisfactory progress toward a degree as outlined in the Satisfactory Academic Progress Policy, which is available upon request in the Financial Aid Office or on the Financial Aid website at: <http://admissions.pnw.edu/financial-aid/pnw-sap/>

Credit hours transferred from other institutions will be included in the number of semester credit hours earned when these hours are accepted in a specific degree area. Credit hours are counted regardless of Financial Aid status. Letter grades of E, F, I, W, and N do not count as earned credit hours for progress. Students who do not successfully meet satisfactory academic progress requirements will be denied federal and state aid (including grants, scholarships, loans, and work study employment). Financial Aid recipients will have their academic progress reviewed at the end of each semester. Students may appeal financial aid denial by following the procedures outlined in the Satisfactory Academic Progress Policy. Academic Dismissal from Purdue University Northwest will result in ineligibility for financial aid. Upon academic re-instatement a student must submit a Satisfactory Academic Progress Appeal to have their aid eligibility status reviewed. Class attendance is mandatory for Title IV financial aid recipients.

How Do I Contact the Office of Financial Aid?

Hammond location – (219) 989-2301, or by visiting the Enrollment Services Center located in Lawshe Hall, Room 130, or by email at finaid@pnw.edu

Westville location – (219) 785-5460, or by visiting Technology Building, Room 157, or by email at finaid@pnw.edu

Academic Regulations

Students who enter institutions of higher education agree to know and abide by the rules of their institutions. Listed in this section of the catalog are some of the specific regulations which govern student and academic programs. Other regulations are listed in the Student Handbook, which is available to students via the Web at <http://www.pnw.edu/dean-of-students/student-handbook/>. A complete set of academic regulations is available to students in the Office of the Dean of Students, SUL (Student Union and Library), Room 313 at Calumet location and, Library-Student Faculty Building Room 103 at the Westville location.

Academic Advising, Program Requirements and Degree Maps

Students are expected to know the requirements for the degree(s) in which they are pursuing. In Spring 2017 students can view their program requirements on-line by using the EduNav application. Students access this tool in the PNW portal. Students can plan class schedules for future semesters, track progress toward a degree and consider other degree options.

Students are also expected to meet with their academic advisor periodically in order to ensure continued progress toward their program of study degree requirements. Program Requirements/Degree Maps for Fall 2016 can be reviewed at the website: <http://www.pnw.edu/catalog/degree-maps>

Academic Calendar

The academic calendar shall consist of two, 16-week semesters and one summer session. Refer to our website at <http://www.pnw.edu/registration/> for exact dates on the registration calendar.

Majors and Degree Programs

Students are assigned to an academic program and advisor based upon the major on their initial application and the admissions decision. Students opting to change their major may do so by completing a Change of Degree Objective form and receiving appropriate approvals. The Change of Degree Objective form is available online at: <http://www.pnw.edu/registration/change-of-degree-objective/>

Registration

Pre-registration for future semesters is ongoing. Registration dates can be found on the University academic calendar. Registration may be done via the web (if cleared by the student's advisor) or in the office of the advisor. Drop and Adds may also be processed via the web. Payment may be made by web, mail, or in person. The deadline for payment of fees occurs before the first week of classes.

Late Registration

The late registration period for the fall and spring semesters ends on Friday of the first week of classes. In the summer session, the late registration period ends on Wednesday of the first week of classes. Registrations during this period will be assessed late registration fees (see Fee section).

Registration for Classes

There are three registration periods for the fall, spring, and summer sessions.

PRIORITY REGISTRATION: allows students an opportunity to pre-register in order to enroll in the courses they need.

OPEN REGISTRATION: for students unable to register early and for students who may need to adjust their schedules.

LATE REGISTRATION: held during the first week of classes (special schedule for summer) and to allow students to make section and class changes. A penalty fee is charged to students who enroll during this period.

Adding Courses

Students may add courses during the first four weeks of the semester by submitting a completed add/drop card to the Office of the Registrar. The signatures of both the academic advisor and instructor of the class being added are required during the second, third, and fourth weeks of the semester. Student Athletes must contact the Athletic Department in order to process changes to their semester schedule. Signatures are required for these changes.

Week 1	No approval required.
Week 2-4	Approval of academic advisor and instructor.
Week 5-9	Extenuating circumstances only. Approval of academic advisor, instructor and head of the department in which the course is listed.
Week 10-16	Not permitted.

Dropping Courses

Students may withdraw from courses by submitting an add/drop card to the Office of the Registrar.

The time period in which a student withdraws from a course determines the recording of the course on the student's transcript. The following guidelines apply to the sixteen week Fall and Spring semesters only. Accelerated term and Summer term refund schedules are calculated based upon a modified schedule.

Week 1-2	No grade recorded on academic record
Week 3-12	W grade recorded on academic record
Week 13-16	No withdrawals are allowed*

* Exceptions. Exceptions to the preceding regulations for registration, schedule revision, and cancellation of assignment may be made for courses that do not span the regular semester or summer session

Class Attendance

Students are expected to be present for every meeting of the classes in which they are enrolled. All matters relative to attendance, including making up of work missed, are matters for arrangement between the student and instructor involved. It is expected that all instructors will, at the beginning of the semester, make a clear statement to all of their classes regarding their policy for

handling absences. Students who fail to meet their class engagements satisfactorily may be denied credit for exercises missed. The instructor will be responsible for counseling with the student whose absences endanger academic performance.

A problem of excessive absences may be referred to the Dean of Students by either the instructor or the student if further information is needed or if either feels that further discussion would resolve the problem. Instructors obtaining information concerning the absence of a student due to personal factors are requested to report such knowledge at once to the Dean of Students. If a student is absent from all the meetings of any regularly scheduled class for a period of two successive weeks, the student may be reported to the Dean of Students for appropriate action.

Class attendance is mandatory for Title IV financial aid recipients.

Course Withdrawal

In order to withdraw from any class, a student must complete a drop card approved by an advisor and submit it to the Registrar's Office. Students with loans making a change in enrollment may revise their financial aid award. The student should notify the Office of Financial Aid immediately if there is a change in enrollment.

Discontinuance of class attendance is not the basis for withdrawal.

Students who do not notify the Registrar's Office when they plan to withdraw will be given a failing grade in each course involved.

Allowable Academic Load

A student's academic load shall be arranged, so far as possible, in accordance with the following policy:

Credits in excess of 18 hours during a regular session should be carefully monitored by the academic advisor, who may wish to consult with appropriate University personnel concerning the student's prognosis for success. Unless the student's curriculum requirement for that session is specified as greater than 18 credits, approval by the department head and/or dean of the student's curriculum must be obtained before the student may be assigned more than 18 credits.

Transfer to Another Purdue Campus

Upon the completion of the semester or summer session, an undergraduate student may transfer enrollment from Purdue University Northwest to another Purdue University campus, provided all requirements are met. Program requirements vary. To initiate this process the student must complete an appropriate form available through the Registrar's Office. Following this procedure an Authorization for Enrollment form from the intended campus of registration and instructions for registration will be sent to the student.

Students must be admitted to a degree program of Purdue University before they are eligible to transfer. Students must meet all deficiencies and be academically admissible to a desired program prior to seeking admission to another school.

Grades

Instructors will assign a grade for each course in which the student is enrolled at the close of a session. The student shall be responsible for the completion of all required work by the time of the last scheduled meeting in the course unless the assignment to the course has been properly cancelled. The grade shall indicate the student's achievement with respect to the objectives of the course. Grades offered at Purdue Northwest are listed below:

For Credit Courses:

A+/A	Highest passing grade
A-	
B+	
B	
B-	
C+	
C	
C-	
D+	
D	
D-	Lowest passing grade, indicating achievement of the minimum objectives of the course
E	Conditional failure, meaning failure to achieve minimum objectives, but only to such limited extent that credit can be obtained by examination or otherwise without repeating the entire course. This grade represents failure in the course unless the record is changed within one semester, by examination or otherwise. In any case, the grade cannot be changed to any other grade but a D.
F	Failure to achieve minimum objectives of the course. The student must repeat the course and complete it satisfactorily in order to establish credit for it.

For courses in the pass/not pass option:

P	Passing grade, equivalent to A, B, or C
N	Not passing

For zero credit courses (includes thesis research but not laboratory portions of courses which are scheduled by separate designations):

S	Satisfactory, meets course objectives
U	Unsatisfactory, does not meet course objectives

For incomplete work, credit or noncredit:

I	Incomplete, no grade; a temporary record of work which was passing when interrupted by unavoidable absence or other causes beyond a student's control
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An instructor may require a recommendation from the Dean of Students or a designee that the circumstances warrant a grade of I. The student must achieve a permanent grade in the course no later than the twelfth week of the second semester subsequent to the enrollment. If not, the I will become IF. If the student is not enrolled for a period of three years following the semester in which the incomplete is given, the incomplete grade will be permanent. The grade will not revert to a failing grade, nor will the student be able to earn credit for the course by completing the work. THIS ACADEMIC REGULATION DOES NOT APPLY TO INCOMPLETES RECEIVED PRIOR TO SUMMER 1999.

PI — Incomplete, no grade; same as I for student enrolled in pass/not pass option.

SI — Incomplete, no grade; same as I for student enrolled in zero-credit course.

Other

The Registrar records the following grades and symbols in special circumstances:

W	Withdrew; grade records that student was enrolled in a credit course and withdrew or cancelled the course after the third week (see Registration for summer schedule).
WF	Withdrew failing
WN	Withdrew not passing
IF	Assigned by the Registrar; failure to complete an I grade by the twelfth week of the second semester subsequent to enrollment in a credit course. Counted as an F in the scholarship index.
IN	Unremoved incomplete and failing; failing to complete a pass/not pass course in which the student received a PI by the twelfth week of the second semester subsequent to enrollment in the course. Does not affect scholarship index.
IU	Unremoved incomplete and failing; failing to complete a zero-credit course in which a student received an SI by the twelfth week of the second semester subsequent to enrollment in the course. Does not affect scholarship index.
IX	Assigned by the Registrar; student not enrolled three years after incomplete was given, then incomplete will be permanent. Does not affect scholarship index.
NS	Assigned by the Registrar; for those course grades not submitted by the instructor.

Pass/Not Pass Option

The university faculty has also provided that a student may take a limited number of courses under a dual grading system of Pass/No Pass. Each student operating under this option and earning a Grade of A, B, or C, shall receive a pass; those earning less than a C shall receive a no pass. The specific regulations stipulating when this option may be used are determined by the school administering the curriculum of the student.

Auditing Classes (Visitors)

A person who is not already enrolled as a student in the University and who wishes to attend a course in the University without credit shall obtain a visitor's permission form from the Registrar's Office and complete it, stating the visitor's name, the number of the course, the date of attendance permitted, and the fact that no credit is to be allowed. The Registrar shall issue a visitor's permit upon written recommendation of the instructor and approval by the head of the department administering the course. No person who is ineligible for readmission by reason of that person having been dropped from the University for scholastic or other reasons shall be eligible to attend classes as a visitor.

A person who has status in the University by reason of admission to, and registration in, a definite classification may enroll in a course as a visitor. The assignment and enrollment must be completed by the regular procedure for visitor registration. The assessment of fees and determination of allowable load shall be in accordance with the credit value or equivalent of the course(s) involved. A visitor in a course shall be entitled to hear lectures, recitations, and oral quizzes. A visitor shall not participate in classroom exercises except as invited by the instructor. The visitor shall not submit papers, participate when tests or examinations are given, nor take part in laboratory work. A visitor shall receive no credit for the course. However, if the visitor has been, is, or shall be registered later as a student in the University, then that person may apply for examination for credit, under the usual rules, in the course which was attended as a visitor.

Good Standing

For purposes of reports and communications to other institutions and agencies and in the absence of any further qualification of the term, a student shall be considered in good standing unless he or she has been dismissed, suspended, or dropped from the University and has not been readmitted.

Scholarship Indexes

The scholarship standing of all regular students enrolled in programs leading to an undergraduate degree shall be determined by two scholarship indexes, the semester index and the graduation index.

- The semester index is an average determined by weighting each grade received during a given semester by the number of semester hours of credit in the course.
- The graduation index is a weighted average of all grades received by a student while enrolled in the curriculum plus all other grades received in courses taken in other curricula offered by the University and properly accepted for satisfying the requirements of the curriculum of the school in which the student is enrolled. With the consent of the appropriate academic advisor, a student may repeat a course. In the case of courses which have been repeated, or in which conditional grades have been removed by examination, or for which a substantially equivalent course has been substituted, the most recent grade received shall be used.
- For the purpose of averaging, each grade shall be weighted in the following manner:

A+, A	4.0 x semester hours = index points
A-	3.7 x semester hours = index points
B+	3.3 x semester hours = index points
B	3.0 x semester hours = index points
B-	2.7 x semester hours = index points
C+	2.3 x semester hours = index points
C	2.0 x semester hours = index points
C-	1.7 x semester hours = index points
D+	1.3 x semester hours = index points
D	1.0 x semester hours = index points
D-	0.7 x semester hours = index points

E,F, IF 0.0 x semester hours = index points

Grades of P, N, I, PI,W, WF, WN, IN, IU, AU, and NS are not included

Scholastic Deficiency

Academic Probation and Deficiency - 2.0 Good to Go

A. Academic Probation

A student at Purdue University shall be placed on academic probation if his/ her fall or spring semester or cumulative GPA at the end of any fall or spring semester is less than a 2.0

A student on academic probation shall be removed from that standing at the end of the first subsequent fall or spring semester in which he/she achieves semester and cumulative GPAs equal to or greater than 2.0. Any grade change due to a reporting error will result in a recalculation of the GPA and determination of probation standing. Academic standing will not be assessed in summer sessions.

B. Dropping of Students for Academic Deficiency

A student on academic probation shall be dropped from the University at the close of any fall or spring semester in which his/her semester and cumulative GPA is less than a 2.0

Any grade change due to a reporting error will result in a recalculation of the index and determination of drop status.

Readmission Procedure for Students Who are Academically Dropped for Scholastic Deficiency

According to University Regulations, when academically dropped a student is required to sit out one regular semester. If dropped more than once, a student is required to sit out at least one calendar year. After completing the required sit out period, a student may petition for readmission to the Purdue campus he or she wishes to attend.

Purdue students requesting readmission must complete an online readmission application through our website <http://www.pnw.edu/admissions/> and pay a \$100 non-refundable fee. The fee must be paid by the designated deadline in order for the application to be processed. For inquiries regarding the readmission process, please call the Office of Undergraduate Admissions at (219) 989-2213 or toll free at (855) 608-4600.

Graduation Requirements

For the Associate Degree

1. **Completion of Program Requirements.** Completion of the plan of study for the degree, either by resident course work, examination, or credit accepted from another institution.
 - **Ten Year Rule.** The dean of the college which administers the student's major can refuse to accept for graduation credit any course completed 10 or more years ago. Reentering students will be notified immediately of all such decisions.
 - **Substitution of Courses.** The dean of the college which administers the student's major may authorize substitutions for courses for graduation.

2. **Residency Rule.** At least two semesters of enrollment and completion of at least 32 credit hours at Purdue University. Students are normally expected to complete the entire second year in residence. Exception: With the prior approval of the dean of the college which administers the student's major, the student who has at least three semesters of study in residence may complete no more than 16 credits at another approved college or university. For the purpose of this rule, two summer sessions are considered equivalent to one semester.
3. **Graduation Index of 2.00 Exception:** A student who has completed all other requirements for the degree but does not have the minimum Graduation Index may meet the requirement by:
 - Securing the approval of the dean of the college administering the major to register for additional courses, after a review of the academic record. Such a student will not be allowed to take more than 10 credit hours beyond those required for the degree. Credit in these additional courses must be earned no later than three years after the date on which all degree requirements were met, except the Graduation Index requirement. The Graduation Index requirement will be met for such a student if the Graduation Index, now including the extra courses, meets the Graduation Index requirement in effect at the time when the student met all the other graduation requirements.
4. **Registration** as a candidate for the degree during the semester or summer session immediately preceding the completion of the degree
5. **Assessment** The University expects its students to complete all assessment procedures related to General Education and/or major field as required.

For the Bachelor's Degree

1. **Completion of Program Requirements. The completion of the plan of study for the degree,** either by resident course work, examination, or credit accepted from another institution.
 - **Ten Year Rule.** The dean of the college which administers the student's major can refuse to accept for graduation credit any course completed 10 or more years ago. Re-entering students will be notified immediately of all such.
 - **Substitution of Courses.** The dean of the college which administers the student's major may authorize substitutions for courses for graduation.
 - **Experiential Learning.** Experiential learning is a graduation requirement for students who started with Purdue University Calumet Fall 2008. This approach to teaching allows students to go beyond theory based learning and explore ways to gain practical knowledge within their program of study. Students will enroll in two experiential learning courses while completing their degree. Experiential learning is offered through undergraduate research, internships, service learning, cooperative education, cultural immersion/study abroad, design project or practicum. Your academic advisor will assist you in selecting an experience that is right for you.

EXCEPTION: Transfer students with no more than two semesters of enrollment remaining and no more than 32 credit hours needed for degree completion are exempt from the experiential learning requirement (At the discretion of the Dean or Department Head)

2. **Residency Rule.** Resident study at Purdue University for at least two semesters and the enrollment in and completion of at least 32 semester hours of coursework required and approved for the completion of the degree. These courses are expected to be at least junior-level courses.

Students normally are expected to complete the senior year in residence; however, with the approval of the dean of the school concerned, a student who has had four semesters of resident study may complete the last year or a portion of it at another college or university, provided that the number of semester hours of credit to be taken does not exceed 25 percent of the total hours required for the degree. The foregoing stipulations do not apply to students who earn credit elsewhere through a contract or arrangement entered into by the University or one of its academic units.

3. **Graduation Index of 2.0 Exception.** A student who has completed all other requirements for the degree but does not have the minimum Graduation Index may meet the requirement by:

- Securing the approval of the dean of the college administering the major, after review of the academic record, permission to register for additional courses. Such a student will not be allowed to take more than 20 credit hours beyond those required for the degree; OR,
- Securing in advance the approval of the dean of the college administering the major to register at another approved college or university for not more than nine of the 20 hours.

Copies of approvals must be filed in the Office of the Registrar. Credit in these additional courses must be earned no later than five years after the date on which all degree requirements were met, except the Graduation Index requirement.

The Graduation Index requirement will be met for such a student if the Graduation Index, now including the extra courses, meets the Graduation Index requirement in effect at the time when the student met all the other graduation requirements.

4. **Registration** as a candidate for the degree during the semester or summer session immediately preceding the completion of the degree.
5. **Assessment** The University expects its students to complete all assessment procedures related to General Education and/or major field as required.

Academic Honors

Dean's List

The Dean's List is Purdue University Northwest's way of recognizing undergraduate students for outstanding scholastic achievement. At the conclusion of each semester, the registrar shall indicate which undergraduate students are scholastically eligible to be included on the Dean's List. To be cited on the Dean's List for any semester, one must:

- have at least 12 hours included in the cumulative GPA
- have at least 6 hours included in the semester GPA
- attain at least a 3.5 cumulative GPA
- have at least a 3.0 current semester GPA

Semester Honors

Semester Honors recognize undergraduate students who:

- have at least six credit hours in the semester index with a semester index of at least 3.5, and
- have at least a 2.0 graduation index

Students whose names are placed on the Dean's List shall be entitled to the following special privileges during the semester following the designation of distinction may be assigned to more than 18 credit hours upon request.

It would be possible to earn both Dean's List and Semester Honors standing if the student has a really outstanding semester. Note: Pass/no-pass grades and credits do not count in hours totals for either category of honors.

Degrees Awarded

Graduation with Distinction

- A candidate for the baccalaureate degree with distinction must have a minimum of 65 hours of credit earned at Purdue University included in the computation of the graduation index. A candidate for an associate degree with distinction

must have a minimum of 35 hours of credit earned at Purdue University included in the computation of the graduation index.

- The minimum graduation index for graduation with distinction in each college shall be no less than the 90th percentile of the graduation indexes of the graduates in each college, for the spring semester, provided that the index is at least 3.30. The minimum graduation index so determined in the spring for each college shall be applied for graduation with distinction for the subsequent summer session and fall semester.
- Of those graduates who qualify for distinction under these rules for the spring semester, the three-tenths of the baccalaureate graduates having the highest graduation indexes shall be designated as graduating with highest distinction, irrespective of the colleges from which they graduate. The three-tenths of the spring associate degree graduates having the highest graduation indexes will be designated as graduating with highest distinction. The minimum graduation indexes so determined for graduation with highest distinction shall be applied for graduation with highest distinction for the subsequent summer session and fall semester.

Commencement Schedule

Purdue University Northwest conducts commencement ceremonies twice each year. The May commencement ceremony is for students who have completed all graduation requirements by the end of the Spring semester. The December commencement ceremony is for students who have completed all graduation requirements by the end of the Summer session and for students who will meet their requirements at the end of the Fall semester. For more information about the commencement schedule, please contact the Office of the Registrar at 219-989-2210.

Graduate on Time...

Degree Maps and Free Course Guarantee

Purdue University Northwest provides 8 semester plans of study for every bachelor degree program. A plan of study (or degree map) is a recommended sequence of classes designed to show how a program can be completed within four years.

Visit 15 to Finish Indiana for information and resources regarding how to complete a Bachelor's degree in four years. (<http://www.learnmoreindiana.org/college/succeeding-in-college/graduating-on-time/>)

The Graduate School

The Graduate School (Graduate Studies Office) oversees all aspects of graduate education at Purdue University Northwest. This includes admissions and records, new courses, graduate staff employment, and program development. As a unit of the system-wide Graduate School, Purdue University Northwest Graduate School coordinates all activities with Purdue University Graduate School. The policies and procedures of the Purdue Graduate School may be found at <https://www.purdue.edu/gradschool/faculty/publications.html>.

Office of Graduate Studies

Office of Graduate Studies, Hammond location, Lawshe Hall Room 242, (219) 989-2257

Mailing Address:

Purdue University Northwest
2200 169th Street
Hammond, IN 46323

Director of Graduate Studies, Hammond location, Lawshe Hall, Room 242A, (219) 989-2545

Email: grad@pnw.edu

Fourteen academic departments and colleges of Purdue University Northwest's Hammond location offer the Doctor of Nursing Practice and sixteen master's degree programs to meet the post-baccalaureate education needs of the citizens of northwest and north central Indiana and surrounding areas. Graduate Certificates and non-degree graduate study are also available. Selected programs and options are also offered online.

In addition, the Westville location of Purdue University Northwest offers the Master of Business Administration (MBA) program, non-degree graduate study, and a graduate certificate in Economic Development.

The graduate programs are flexible to suit the needs of returning students and their employers, as well as the needs of traditional graduate students. The programs can also provide development for industry, business and government professionals through focused courses and degrees designed for a wide variety of student ages, schedules, and career paths, including those leading to doctoral study.

Students at the Westville location of PNW may submit documents to the Graduate Studies Office at the Hammond location address above. Documents may also be sent via campus mail from the Westville location to the Graduate Studies Office in Lawshe 242 on the Hammond location; may be dropped off with the Office of Undergraduate Admissions at the Westville location (TECH 157); or may be submitted to the Grad chair for the MBA program in the College of Business (TECH 186) on the Westville location.

Students interested in graduate study at either campus should refer to the individual departmental listings of degree requirements elsewhere in this catalog. Correspondence about admission to the Graduate School and inquiries about a specific college or department requirements should be addressed to the head of the college or department to which the applicant seeks admission.

Admission to the Graduate School

Degree-Seeking Applicants

Applicants for specific graduate degrees must apply for graduate study through the online application located at <https://gradapply.purdue.edu/apply/>

All applications are first evaluated by a departmental committee at Purdue Northwest. If recommended for admission, the application is submitted to the Office of Graduate Studies for final review and approval. An applicant is not officially admitted until notification from the Graduate School is received.

General Admission Requirements: Individual program's admission requirements may vary. Please check your specific program for specific requirements.

1. A four-year bachelor's degree from a regionally-accredited college or university application.
2. Graduation index of 3.0 (B) on a 4.0-point scale (individual departments and colleges may set higher indices). Conditional Admission may be available for applicants with undergraduate GPAs which are somewhat below but near 3.0. Please check with your program of interest for conditional admission requirements.
3. Other requirements, as detailed by individual departments and colleges: typically, a goal statement or statement of purpose, and/or a copy of any relevant professional license, a resume, or other documents as required by the application.
4. Test scores or other demonstration of Academic ability for graduate work.

Applicants generally must submit:

1. A completed online application.
2. Three letters of recommendation, or as directed by the department or program. Recommenders' names may be submitted online in the application and the recommendations may be completed in the online system. Hard copy letters of recommendation may also be accepted. Letters of recommendation should be submitted to the program of interest.
3. For admission purposes, copies of the official transcripts of all previous college and university course work completed may be uploaded into the online application. (Some programs require official copies: please check your department of interest for requirements). Electronic transcripts should be submitted to the PNW Graduate Studies Office at grad@pnw.edu. If admitted, the applicant will be required to submit official copies of all transcripts during the first session of enrollment.
4. A \$60.00 application fee, payable online by credit card (\$75.00 for international students) — details are available in online application.
5. Other documents as required by the individual department or college (statement of purpose, etc.).
6. Other evidence of academic performance as required by the individual department or college.
7. Graduate Record Examination (GRE), if required by the particular department or college Consult the individual department or college for additional information.
8. The Graduate Management Admission Test (GMAT) may be required by the College of Business Consult the College of Business for additional information.
9. Further information can be found at the PNW Graduate School's Web site at: <http://academics.pnw.edu/grad-school/>.

When to apply

Applications, transcripts, and supporting materials should be submitted to the department or college preferably four months, but not less than one month, before the beginning of the session for which the applicant seeks admission. Some programs have specific deadlines for application. Please check with the department in which admission is sought for information on the specific deadline. Domestic Applicants who are applying outside this guideline should check with the department or program for the possibility of later admission.

International students should check with the International Students Services office for application deadlines.

General Deadlines for International applicants who do not currently hold an F1 visa:

March 15th for Summer Admission

May 15th for Fall Admission

October 15th for Spring Admission

Non-Degree Graduate Status

(Temporary Admission Status)

Students who wish to pursue study beyond the bachelor's degree, but who may not have a specific degree objective, may take graduate courses by submitting a non-degree application in the online system. In order to be considered for non-degree admission, the applicant should submit:

1. A completed non-degree online application located at <https://gradapply.purdue.edu/apply/>. There is no fee for a non-degree application. Applicants may choose non-degree study in a particular program, or choose Graduate Continuing Studies.
2. Evidence of completion of a four-year bachelor's degree, such as one copy of the bachelor's degree final transcript showing the date of degree completion. This copy should be uploaded into the online application for non-degree admission.
3. Note: Non-degree students are not eligible for financial aid or Graduate staff Positions.
Graduate credits earned while in non-degree undergraduate status are not eligible for inclusion in a graduate plan of study, even if earned after completion of the baccalaureate degree.

Certificate Admissions

Students who wish to pursue a graduate certificate must submit a separate online application for the certificate program. An application fee is required for admission to a certificate program. Please check the individual certificates for requirements, typically the certificate application requires an upload of a copy of an official transcript of undergraduate academic work. The application for certificate study can be found at <https://gradapply.purdue.edu/apply/>

Twelve Credit Rule

No more than 12 hours of graduate credit earned as a non-degree-seeking student may be applied to a graduate degree plan of study. If an applicant for a regular degree program is approved during the semester in which the student is enrolled for the twelfth credit hour as a non-degree student, all credits completed prior to and during that semester are eligible for inclusion in the plan of study. However, the courses must be appropriate for the degree and be acceptable to the department or college. Students who fail to gain admission as degree-seeking students in a timely fashion may lose credit already earned.

Grades Earned While In Non-Degree Graduate Status

No course in which a student receives less than a B- may be included in a plan of study if the student completed the course while in non-degree status. Please see the Graduate Policies and Procedures Manual for requirements for undergraduate excess and transfer credits at the graduate level. <https://www.purdue.edu/gradschool/faculty/publications.html>.

Graduate Credits Earned While In Non-Degree Undergraduate Status

Graduate credits earned while in non-degree undergraduate status are not eligible for inclusion in a graduate plan of study, even if earned after completion of the baccalaureate degree.

Teaching License Registrants

Bachelor's degree holders seeking graduate credit without a degree objective, such as those working in teaching licensure programs or seeking to enhance professional qualifications in their occupations, may be admitted in non-degree graduate status. For further information about licensure, please see the School of Education and Counseling's web site at: <http://academics.pnw.edu/education/programs/student-resources/license-information/>

Academic Regulations

GRADES. Success in graduate study requires academic performance of a high quality. Only grades of "A," "B," or "C" — while maintaining a "B" average (3.0) — fulfill Graduate School requirements. An advisory committee or a department or college may require grades higher than C in certain courses or in all courses on the plan of study. Pass-fail or satisfactory/unsatisfactory grades are not acceptable for inclusion on the plan of study, although those courses may be a requirement for the degree. Some graduate programs do not accept a grade of C in any course on the graduate plan of study. Please see your academic program for specific requirements on grades

Progress Toward Degree

Student progress is reviewed each semester by the individual college or department. If the student fails to perform satisfactorily, in the judgment of the department or college, the student may be asked to discontinue graduate study at Purdue University Northwest.

English Requirement

Candidates whose native language is not English must prove proficiency in the English language by achieving one of the following:

- a. A TOEFL (test of English as a foreign language) score of 77 (including score minimums of Writing 18, Speaking 18, Listening 14, Reading 19). Note that in addition to required minimum scores for each category, the Graduate School also requires a minimum overall score that is higher than the minimums for the four area tests combined. Applicants must meet or exceed each of the five scores for admission to the Graduate School.
For further information, go to <http://www.toefl.org>
Purdue University Northwest's campus code for TOEFL, GMAT, and other tests through Educational Service is 001638.
- b. The Graduate School also accepts International English Language Testing System (IELTS) Scores with an overall band score of 6.5 or more. For more information, go to <http://www.ielts.org> The Graduate School also accepts the Pearson Test of English (PTE) with a minimum score of 58. An additional English proficiency option may be available to those enrolled in the English Language Proficiency Program at Purdue University Northwest. Please check with the Graduate Studies Office for more information.

FOREIGN LANGUAGE REQUIREMENT. There is no general foreign language requirement, though some colleges and departments do require a reading knowledge of a foreign language as a relevant research tool.

Registration

Students are strongly encouraged to register during the early registration period for the best range of course selections.

REGISTRATION FOR RESEARCH CREDIT. Graduate students who use university facilities or are supervised by a faculty member must register for research hours. Registration for research hours should reflect the nature and amount of the student's research activities accurately. Research includes literature reviews and thesis writing.

Registration in the student's last semester. A candidate for any advanced degree must be registered during the last semester or session before receiving the degree. Students in the last semester of a master's program with a thesis option must be registered for a minimum of three hours of research credit. Students who have completed the required course work and are not otherwise registered in graduate coursework must be registered in a candidate course section (CAND) in order to graduate. A flat fee is charged for registration in candidate courses (CAND).

Undergraduate and Transfer Credit

Course credits earned while an undergraduate at Purdue University or other accredited institution of higher learning may be applied toward an advanced degree if these credits are in excess of any requirements for the baccalaureate degree. Such credits must be certified as available for graduate credit by the institution from which the student received the baccalaureate degree, but will be accepted only if: (1) the student had senior standing and a 3.0 graduation index when taking the course, (2) the student received a grade of B- or better, (3) the course was designated as a graduate course, and (4) the course was taken at the graduate level.

Advisory Committees

Each candidate for the master's degree with a capstone or thesis will have an appointed graduate committee consisting of at least three faculty members. This committee assists the student in preparing the plan of study and advises the student during graduate work. In the case of the thesis option, the committee also advises the student about research and writing the thesis. With the approval of the departmental Director of Graduate Studies, College Dean for Graduate Studies, or Grad program Chair, the student will select a major professor, who must agree to the appointment. The major professor chairs the advisory committee and oversees the student's research. The major professor and student must agree upon the related areas in the plan of study.

Candidates for coursework-only master's degree programs may have a single faculty advisor (major professor) within the program.

Plan of Study

The plan of study includes specific courses which the student is expected to complete and all other requirements for the graduate degree; the student and the advisory committee for the department develop the plan of study together. The student is responsible for completing and submitting the plan of study to the Graduate School one semester prior to the semester in which he or she plans to graduate. The plan of study must be approved by the student's academic advisor before submission. In order to graduate, the plan of study must be submitted not later than the last business day before the start of classes for the session of expected graduation. If it becomes necessary to revise the plan of study, a Request for Change to the Plan of Study must be submitted with a justification. Plans of study are submitted electronically through the ePOS system. The electronic plan of study is available to graduate students through the myPNW portal (Electronic Plan of Study Generator).

Admission to Candidacy

Admission to candidacy for the graduate degree is granted only after approval of the formal plan of study. A candidate for any advanced degree must be registered during the semester in which the degree is awarded. (See requirements above).

Oral and Written Examinations

The requirements for oral and written examinations are established by the advisory committee or the college or department. A final examining committee for each candidate certifies to the Graduate School that the student has met the requirements of the major department or college.

Graduation Deadlines

Graduating on time is very important to most students. Therefore, a student must be aware of the rules and the deadlines set forth by the university and the academic department. Many rules and deadlines that apply to our Graduate School can be found on the Purdue West Lafayette website at: <https://www.purdue.edu/gradschool/about/calendar/> and related pages.

For more information about graduate study at either campus of Purdue University Northwest, visit the Office of the Graduate School's website at <http://academics.pnw.edu/grad-school/> or call (219) 989-2257. e-mail: grad@pnw.edu

Academic Center for Excellence (ACE)

The Academic Center for Excellence (ACE) leads several important university initiatives that have a role in student retention and success: Academic Advising, Academic Recovery Program, Supplemental Instruction (SI), Tutoring, Brother-2-Brother, Series of Success Workshops, as well as GNS 10300 and GNS 29000 courses.

Academic Advising

The Academic Center for Excellence (ACE) is devoted to helping students discover their academic and career goals through academic advising and student academic support. Students within our department enter into a Career Pathway which is based on common discipline expectations consistent with the student's expressed goals.

We do this by advising students who fall into one of two categories:

- Undeclared Students: Students in this category have not met the prerequisite requirements for acceptance into their major of choice.
- Undecided Students: Students in this category are exploring career options.

Once accepted into an academic major, departmental academic advisors guide students through the curriculum for that major. Students are encouraged to develop direct advising relationships with their academic advisor. Ongoing interactions with academic advisors prior to registration periods and throughout the academic year are key to students' success at Purdue University Northwest.

Academic Recovery Program

The Academic Recovery Program is designed to encourage both persistence and retention by providing intervention services for students who are at risk of academic dismissal, and are on probation due to their cumulative GPA. Purdue University Northwest developed this program based on research and successful programs at other universities. Interventions include enrolling in GNS 29000, a study skills course that addresses academic issues to encourage student success, working with an academic advisor to select appropriate courses for the upcoming semester, and developing strategies to assist students in making progress toward their degree objectives.

Career Pathways

New ACE freshmen are accepted into a Career Pathway which is based on common discipline expectations consistent with the student's expressed goals. The University's current Career Pathways include: Business, Education, Exploratory, Health, and STEM. For each pathway, a predetermined two-semester plan of courses and activities is specifically aimed at exploring their area of career interest. Taking part in a Career Pathway will provide students the opportunity to develop personal connections with faculty and other students, take courses that research has shown are vital to student success, and broaden their learning experience. The two-semester plan is designed to give first-semester students the foundation they need to be successful at Purdue University Northwest.

Student Academic Support (SAS)

Student Academic Support (SAS) provides free academic assistance to all Purdue University Northwest students in a friendly and nurturing environment. Our goal is to help students not only increase understanding but improve study skills and build confidence. Highly qualified, faculty recommended students are hired as tutors and S.I. Leaders. Employment opportunities are

available. For additional information, call or visit our website (see above). SAS support services include Supplemental Instruction, Tutoring Services and Series of Success Workshops. Hammond: Gyte Building, room 102; Westville: Library-Student-Faculty (LSF) Building, room 202 Phone: 219/989-3227; Website: www.pnw.edu/sas; Email: sas@pnw.edu

Tutoring

Open Lab Tutoring is available free of charge in math, science and other major subject areas. The tutoring is conducted by peers on a drop-in basis - no appointments are needed. Schedules are available online and by visiting the office of Student Academic Support on your campus.

Supplemental Instruction

Supplemental Instruction (SI) is a free academic support program that targets historically difficult courses. It is a non-remedial approach to learning enrichment that increases student performance and retention. SI offers regularly scheduled, out-of-class review sessions to all students enrolled in a targeted course. SI sessions are facilitated by SI Leaders, students who have successfully completed the course and now sit in on every class with you. These sessions are interactive and give students the opportunity to review notes, discuss readings, practice problem solving and prepare for examinations.

Series of Success Workshops

Aimed at assisting students with different aspects of attending a university, these one-hour workshops are FREE for all Purdue University Northwest students and are held on both the Hammond campus and the Westville campus. Below are the titles of some of the previous workshops that have been held:

- Am I in the Right Major?
- Face-to-Face: The Importance of Meeting with your Professors
- Finish in Four: The Graduation Recipe
- Midterm Madness: Survive Your Midterm
- Power in Numbers: The Importance of Forming Study Groups
- Save Your Semester: Pass that Class
- Test Smart: Successful Strategies for Exams
- Time Flies When You're on FACEBOOK: Time Management Skills
- The "Write" Stuff

Brother-2-Brother

The purpose of Brother-2-Brother (B2B) is to recruit, retain, and graduate African American and Latino male students and prepare them as leaders within Northwest Indiana and globally. Among the subgroups of students at Purdue Northwest, African American and Latino males are least likely to graduate within four years. To increase the retention needs among African American and Latino male students, B2B established an array of learning opportunities to support students while enrolled at PNW. B2B endorses educational support services, cultural awareness, and academic leadership in order for African American and Latino male students to succeed at PNW.

GNS 10300 – Introduction to Higher Education

Designed to assist and guide students in maximizing their potential for success at the university by promoting academic growth, Introduction to Higher Education (GNS 10300) is the mandatory freshman seminar for students admitted into a Career Pathway through ACE. This course will emphasize utilization of campus resources, goal setting, and values exploration, the relationship of academic planning to life goals, career exploration, and critical thinking strategies.

Staff

Linda Atkinson (2013) Academic Center for Excellence Senior Retention Advisor, B.S. University of Wisconsin – Stout, 2007, M.S., Indiana State University, 2009

Deborah Beal (2011) Academic center for Excellence Manager of Student Academic Support, B.A., Rutgers University, 1986, M.B.A., Rutgers University, 1993

Sharon Gurn (2010) Secretary of Academic Advising

Jen Madgiak (2014) Associate Athletic Director for Academic Services and Senior Woman Administrator, B.A. Western Illinois University, 2008, M.S., Illinois State University 2011

Charnell Thomas (2014) Academic Center for Excellence Retention Advisor, B.S. Illinois State University, 1998, M.S.Ed., Northern Illinois University, 2006

Michael Wilk (2014) Academic Center for Excellence Student Academic Support Coordinator, A.A. South Suburban College, 2000

Oshunda Williams (2014) Academic Center for Excellence Retention Advisor, B.A. Wayne State University, 1998, M.A. Governors State University, 2004

Alicia Zaleski (2015) Academic Center for Excellence Secretary V, B.S. Indiana University – Bloomington, 1989

Honors College

John Rowan, Dean; Heather Fielding, Assistant Dean (on leave 2016-17); Vanessa Quinn, Interim Assistant Dean; Brandon Rukes, Program Coordinator; Chu Hui, Faculty Advisor; Amy Libauskas, Secretary.

Hammond Location: SUL Building Room 320; Phone: 219-989-3160; Westville Location: Technology Building Room 313; Phone 219-785-5327. Web site: www.pnw.edu/honors.

Mission: The Honors College at Purdue University Northwest is dedicated to enhancing the learning experiences of highly motivated and academically exceptional students. Students in the Honors College engage in advanced coursework, community outreach, substantive research, study abroad, cultural and social activities, and regular interaction with the university's most outstanding students and professors. Through these kinds of special learning opportunities, the Honors College fosters academic excellence, critical thinking, vital leadership skills, social and civic responsibility, and other virtues required of outstanding citizens and leaders.

Application: Available at www.pnw.edu/honors. The application to the Honors College is separate from the application to the university. Although there are no firm criteria for admission, students with a high school GPA under 3.4 or SAT scores (or ACT equivalent) of under 1100 (verbal+math) will have difficulty being admitted. Applications, which require essays and letters of recommendation, are reviewed on the basis of academic achievement and promise, leadership potential, extracurricular involvement, personal character, and other factors relevant to the student's overall potential.

Students are encouraged to apply as incoming freshmen, though there are some slots available for upper class students (transfer students or current Purdue Northwest students) who have completed no more than 66 credit hours and have a minimum of four semesters in residence remaining until graduation.

Benefits:

Scholarship (\$2500/year, provided requirements are maintained)
Specialized courses with fellow Honors College students
One-on-one research opportunities with university faculty
Study Abroad scholarships available

No extra courses required; Honors College coursework is built into the student's plan of study. (Plans of study available on the Honors College website or in SUL 320.)

Honors College Student Leadership:

Executive Board (Chaired by co-Presidents, one from each campus of PNW): VP Campus Life, VP College Media, VPs (2) Student Engagement, VPs (2) Student Mentoring, VP Student Research.

Committees: Academic and Cultural Events, Community Involvement, Newsletter, Social Events, Social Media, Yearbook.

Curriculum (Incoming Freshman):

HONR 11100 - Honors Cohort I Semester 1

HONR 11200 - Honors Cohort II Semester 2

HONR 21100 - Honors Cohort III Semester 3

HONR 39000 - Junior Level Topics Semester 4 or 5

or

HONR 39100 - Honors Humanities Topics Semester 4 or 5

or

HONR 39200 - Honors Social Science Topics Semester 4 or 5

HONR 40000 - Honors Capstone Project Semester 6

Honors Thesis Semester 7/8

Honors Stacked Course Any of Semester 3-7

Honors Elective

Curriculum (Upper Class Admission):

HONR 21200 - Upperclass Introduction to Honors

HONR 39000 - Junior Level Topics	Semester 4 or 5
or	
HONR 39100 - Honors Humanities Topics	Semester 4 or 5
or	
HONR 39200 - Honors Social Science Topics	Semester 4 or 5
HONR 40000 - Honors Capstone Project	Semester 6
Honors Thesis	Semester 7/8
Honors Stacked Course	Any of Semester 4-7
Honors Elective	

Additional Requirements: Volunteer work; regular participation in Honors College activities; two annual individual meetings with Honors College advisor, program coordinator or dean.

Honors Thesis Option: Students not in the Honors College may submit a proposal to write an Honors Thesis. Students whose proposals are accepted enjoy benefits but do not receive a scholarship. Proposals should be submitted by the end of the student's sixth semester. Interested students should contact the Dean.

Vision: Learn, Think, Lead

Learn

Foundations: Students will acquire knowledge appropriate to their chosen programs of study;

Perspectives: Students will be exposed to new and diverse viewpoints about humanity and society;

Exploration: Students will develop a love of learning and the ability, going forward in life, to learn how to learn.

Think

Reflection: Students will consider carefully the foundational knowledge they acquire and the various perspectives to which they are introduced;

Analysis: Students will master the ability to scrutinize particular viewpoints and their underlying rationales in an effort to identify what is sound and what is invalid;

Synthesis: Students will learn how to assemble into a coherent whole the tenable components of the viewpoints analyzed.

Lead

Vision: Students will develop the comprehensive skills necessary to transform a coherent collection of tenable ideas into a tangible vision, complete with justification and prospects for feasible application.

Communication: Students will acquire the tools required to convey – verbally, in written form, graphically, technologically and in other ways – the substance of their visions to individuals, organizations and society at large.

Citizenship: Students will internalize the principle that individuals and institutions are part of a larger whole and will graduate with the understanding that outstanding leadership requires a strong sense of empathy and an ongoing awareness of how actions and practices can have local and global impacts.

Resources and Services

Alumni Association

As Alumni of Purdue University Northwest-including its two founding institutions, Purdue University Calumet and Purdue University North Central, we are now bigger and better with 57,000+ alumni and 2 campuses, which makes us one unparalleled University. Purdue Northwest Alumni continue to bring honor to our great university with their many accomplishments and professional work. We are here to provide programs and services to keep you engaged with the university and with each other. We serve as a worldwide network that supports, enriches, cultivates, and celebrates experiences that last a lifetime!

To contact Purdue Northwest Alumni call us at 219-989-2308, email us at alumni@pnw.edu, visit our website at alumni.pnw.edu for news, events and to update your information, or visit us at the Hammond campus in Lawshe Hall, room 322 or the Westville Campus in the Dworkin Student Services & Activities Complex in D-1114L.

The Career Center

Location: Student Union Library Building (SUL), Room 349, Hammond

Library Student Faculty Building (LSF), Room 104, Westville

Hours: Monday through Friday 8 a.m. to 4:30 p.m.

The Career Center assists students and alumni of Purdue University, regardless of their campus affiliation. As a bridge from college life to the world of work, it is our mission to facilitate connections between employers and students that lead to successful outcomes and satisfying futures. Services Offered include:

Drop-In Career Advising-Typically 15 minutes or less

(No Appointment Needed)

- Resume, CV, Cover Letter Review
- Internship & Job Search Strategies
- Pride Career Network, *powered by Handshake Assistance*
- On Campus Student Employment

Times

Tuesdays: 10 a.m. to 12 p.m.

Wednesdays: 9 a.m. to 11 a.m. and *4 p.m. to 6 p.m.

Thursdays: 1 p.m. to 3 p.m.

(*Evening hours are not offered during summer semesters)

Career Advising-By Appointment Only

(Tuesday, Wednesday and Thursday)

- Mock Interview Preparation
- Job Search Strategies
- Graduate School Interview Preparation
- Creating a LinkedIn Profile
- Developing a Personal Statement
- Adapting Resumes to CV's

Career Counseling-By Appointment Only

(Tuesday, Wednesday or Thursday)

- Choosing Your Major
- Developing a Career Plan
- Job Search Strategies
- Considering & Exploring Graduate Schools or Advanced Degrees

The Pride Career Network, powered by Handshake, is a modern career development platform that provides students and alumni with advanced online tools, available on all devices, including mobile technology. This system provides:

- Relevant feed of job and internship opportunities
- News feeds containing the latest information from the Career Center and your favorite employers
- Resources that specifically match your interests
- Appointment scheduling with select Career Center staff.

Access to the Pride Career Network is available to actively enrolled, degree seeking students and alumni of Purdue. You can create your Pride Career Network account by logging onto www.hirePNWpride.com.

PNW Child Care

Purdue Northwest offers affordable childcare at each campus, available for the children of students, faculty, and staff.

Hammond: **Charlotte R. Riley Child Center**, 219-989-2343. Serving children ages 3-6. <http://centers.pnw.edu/riley-child-center/>

The **Charlotte R Riley Child Center** is a nationally accredited child center and lab school. The center provides high quality preschool and kindergarten education programs for children of students, staff, faculty, and to the community. Serving children ages 3-6, the Riley center is NAEYC accredited, state licensed, and has achieved the highest rating in the state's Paths to Quality program. The center also provides a training site for Purdue Northwest students seeking degrees in early childhood and elementary education and related fields. Children who are at least three years old and toilet trained through kindergarten age can attend school at a reasonable cost. The child center accepts On My Way PreK students and welcomes families using childcare vouchers. Operating within the division of Finance and Business Services, and working in conjunction with the Department of Behavioral Science's Early Childhood Program, the Center is open all year excluding university holidays and two weeks prior to the fall semester. All childcare requires advanced enrollment.

Westville: **Lion Cubs Child Care Center**, 219-785-5242. Daycare for children ages 3-7, after school care for children K-5th grade. <http://www.pnw.edu/dean-of-students/north-central-campus/child-care/>

Lion Cubs Child Care Center, located on the Purdue Northwest Westville Campus in Room 135 of the Library-Student-Faculty Building, provides care for children of Purdue University North Central students, staff and faculty during the Fall and Spring semesters while classes are in session. A professional director and staff provide a program combining planned activities and

supervised play. Children starting at age 3 (children must be turning three by December 1st), provided they are toilet trained, will be accepted. School- aged children (k- 5th) are welcome for after school care and during their school closings, delays, or breaks. Prior to using this service, a parent must complete all enrollment forms and obtain a receipt of pre-payment from the Bursar's Office.

The Counseling Center

Gyte Building, Room 005, 219/989-2366, www.pnw.edu/counseling/

The Counseling Center offers a range of psychological counseling services to all students at Purdue University Northwest toward enhancing student academic and personal success. Services are provided in an individual, couples, or group formats and which may include assessment, brief counseling and psychotherapy. Referral, consultation and psycho-educational outreach presentations are also provided. These services are provided by licensed mental health professionals and postgraduate extern counselors under their supervision. All psychological services are confidential as protected by law. Personal issues such as adjustment to college/work, relationship concerns, anxiety, depression, alcohol and drug use, body image/eating problems are only some of the many concerns that may be addressed in counseling. Referrals to qualified professionals in the community are made available. Counseling Center staff also refer to medical providers and collaborate with medical prescribers for students who are in need of psychotropic medication(s).

Office of the Dean of Students

Hammond Location: Room 313, Student Union Library Building

Westville Location: Room 103, Library-Student-Faculty Building

The staff of the Office of the Dean of Student's primary focus is to assist students so they can be academically successful. In addition, the Dean of Students supports individual student rights and upholds the Student Code of Conduct (<http://www.pnw.edu/dean-of-students>).

The Office of the Dean of Students promotes responsibility and encourages honesty, integrity, and respect among Purdue Northwest students through education, compliance with behavioral standards, and support of individual rights. To sustain this mission we are committed to:

- Provide students with information and resources so they can effectively advocate for themselves;
- Guide students through their educational journey by ensuring a smooth pathway to degree attainment;
- Work collaboratively with students, faculty, and staff to create an ethical and safe environment in which scholarship may flourish;
- Promote good citizenship among students and administer conduct standards in a fair, respectful, and equitable manner;
- Disseminate and interpret University regulations and standards to students, faculty, staff, parents, and the general community;
- Promote compliance with the spirit and intent of the Purdue Bill of Student Rights and University Code of Conduct;
- Serve as a resource and information agency for students, faculty, staff, parents and others concerning student rights and standards;
- Facilitate, with dignity, the resolution of concerns and disputes at the lowest level possible;
- Serve as an advocate for, and resource to, student victims of crimes, harassment, and other traumatic experiences;
- Guide students toward a greater sense of personal responsibility and mature and ethical behavior that enhances the quality of the University and community environment

Respect Boundaries: Sexual Violence Awareness Program for New PNW Students

Purdue Northwest is committed to maintaining a positive and safe environment free from all forms of harassment, including sexual harassment. In addition, the University complies with several federal laws, including the Campus Sexual Violence Elimination (SaVE) Act. SaVE requires all incoming students to receive primary prevention and education awareness about sexual violence. Additionally, Title IX provides the right for students to pursue their educational goals in the safest campus environment possible and prohibits discrimination on the basis of sex. PNW provides Respect Boundaries online training to new incoming students and transfer students through Blackboard Learn consisting of three modules: Purdue University Policies and Procedures, Risk Reduction and Prevention, and Supporting Survivors.

Please contact the Office of the Dean of Students at dos@pnw.edu or call the Hammond location, (219) 989-4141, or the Westville location, (219) 785-5230, for questions regarding the Respect Boundaries Program.

Enrollment Management and Student Affairs

Office of the Vice Chancellor for Enrollment Management and Student Affairs
Lawshe Hall, Room 352, 219/989-2367

The Office of Vice Chancellor for Enrollment Management and Student Affairs (VCEMSA) is responsible for coordinating services which are designed to recruit and enroll students in a campus environment in which students are able to develop and succeed, academically, intellectually and personally. Enrollment Management and Student Affairs includes the following offices: Admissions and Recruitment, Financial Aid, Registrar's Office, Testing Services Center, New Student Orientation, Dean of Students, Office of Student Life, Career Center, Counseling Center, Housing and Residential Education, McNair Post-Baccalaureate Achievement Program/s: Upward Bound, Educational Talent Search and 21st Century Scholars, Disability Access Center, Student Organizations, Student Wellness Program, and Veterans and Student Service Members Academic Support Program (From Boots to Books).

The VCEMSA Division staff assist with creating a student centered environment designed for student success through services and programs administered outside of and in conjunction with academic programs. The staff and faculty and the student leaders with whom they partner are committed to a team approach to creating this supportive environment that is the hallmark of a destination of choice university.

Housing and Residential Education

The Westville campus is primarily a commuter institution. Housing accommodations are available adjacent to the campus.

The Hammond campus of Purdue University Northwest became a residential campus in Fall 2005 with the opening of its first student housing facility. In the Fall of 2009 a second building, was added to The University Village community providing space for a total of 745 residents and live-in residential staff members. In the Fall of 2013, these buildings were officially given the names of Peregrine and Griffin Hall. The University Village community provides fully furnished apartments as well as social resources to any student that wants to take their PNW education to the next level.

Each apartment features four private bedrooms, two bathrooms, a common living room and fully equipped furnished kitchen/dining room. The facilities are designed to provide convenience and comfort in an environment that supports the academic success of its residents.

The University Village community is overseen by the staff of the Department of Housing and Residential Education and is located at the south end of campus, along 173rd Street, right next to the Fitness and Recreation Center. The Department of Housing and Residential Education offers three options for student housing contracts: an annual year (August to August), an academic year (August to May), and summer (May to August). Students interested in living on-campus are encouraged to visit the Department of Housing and Residential Education website at www.pnw.edu/housing or call (219) 989-4150 for more information.

Amenities

- Apartment-style living
- Full kitchen with dishwasher and garbage disposal
- High Definition Cable TV service- including HBO
- Wi-Fi throughout the complex
- Laundry rooms on each floor
- 24-hour computer labs
- 24-hour emergency response staff to handle resident concerns
- 24-hour front desks to address student needs and ensure safety
- Swipe card access to buildings and apartments
- A music practice room
- Outdoor Patio (Griffin Hall)
- Quiet study rooms
- Well-lit on-site parking
- Free shuttle service for shopping, and much more

Information Services

Information Services provides a number of resources for students to facilitate success in your academic program. Some of these services include:

Customer Service Center (CSC)

Locations: Hammond, Powers 216, Westville, Tech 265

Website: <http://www.pnw.edu/information-services/about-is/customer-service-center/>

Phone Number: 219-989-2888

Email: csc@pnw.edu

For hours of operation please visit our website.

The Customer Service Center (CSC) logs, assigns and tracks all customer information technology service requests. CSC also provides the first level of information technology support for faculty, staff, students and guests.

Walk-In Knowledge Bar & Tech Support

- Easily accessible at both campuses
- Walk-up support
- Updated comfortable seating
- Charging stations, power outlets and data ports to keep you powered up
- Password changes
- Outlook Support, etc.

Wireless Network (eduroam)

- eduroam is Purdue University Northwest's secure wireless network

- Connects wireless-ready laptops, tablets, and phones to the PNW network and the Internet
- Accessible throughout all campus buildings and select green spaces
- All connections to eduroam are authenticated and encrypted in order to help protect your data
- Login with careeraccount@pnw.edu as your username and your career account password

Email

- Each student is provided with a university email account.
- <http://www.pnw.edu/mypnw>

Email is an essential communication tool used by faculty, staff, and students on campus. We encourage you to check your university e-mail account regularly to ensure you don't miss receiving important information related to your classes and status within the University.

Computer Labs

Locations: Various (see below)

Website: <http://www.pnw.edu/information-services/services/>

Telephone: 219-989-2888

For hours of operation please visit our website.

Open Access Computers:

- Provide basic computing services such as Microsoft Office
- Open to all students
- Loaded with software that can be utilized for homework, research and class projects

Hammond Locations:

Gyte Learning Commons, Gyte 035, 040, 044, 045 & 048
 Anderson, Classroom Office (CLO) and Porter Buildings
 University Village – Peregrine and Griffin Hall
 Library – Student Union Library (SUL) Building
 Specialized computer labs available through your academic department

Westville Locations:

Tech Building 265 & Tech Building 053
 Library – Library Student Faculty (LSF) Building
 Specialized computer labs available through your academic department

University Libraries

Locations & Telephones:

Hammond - Student Union & Library (SUL), 2nd floor 219-989-2224

Westville - Library Student Faculty Building (LSF), 2nd floor, 219-785-5248

Website: <http://www.pnw.edu/library/>

For hours of operation please visit our website.

- Accessible, trusted, and indispensable learning environment, fundamental to student academic achievement in college
- Deliver high quality information, provide excellent guidance in its use

- Promote learning in attractive, technologically advanced, and personally comfortable environment
 - Libraries help students learn strategies and skills for accessing information and using it effectively for their class work
 - Library website is the link to scholarly information in electronic and print formats — books, journals, reference guides, and archives services for the user, including Interlibrary Loan, reference assistance and requests for purchase, are available 24-7 via links on either campus library web site
 - Students learn how to search a variety of information resources, including our discovery tool/online catalog PRIMO, to locate resources that either of the libraries own, search electronic databases to retrieve journal articles in full text, and organize and carry out research projects
 - The librarians, staff, and student assistants are here to help students learn in today's complex information environment
 - Provide individual assistance to each student at the Public Service Desk, located conveniently as you walk in the doors of either location
 - Amenities include group study areas, electronic classrooms for hands-on learning, leisure seating for quiet conversation and a place to meet, and individual carrels for quiet study
 - A high-tech presentation practice room (Hammond Campus)
 - Source for virtual and print documents about the university, Archives and Special Collections, located in SUL 236 (Hammond) and LSF 245 (Westville) identifies, collects, preserves, and makes accessible materials of enduring value that document the history, culture, scholarship, advancements, and achievements of the University's faculty, staff, and students
 - Libraries' combined print collection includes over 500,000 volumes
 - Libraries subscribe to thousands of electronic databases, journal collections and books
- Information literacy and library instructional sessions, tours and learning modules are offered at both campuses by professional librarians. These sessions are generally set up by classroom faculty by collaborating with the instructional librarians who will design an Information Literacy session to meet the research needs and assignments given for that individual course.

Learning Technologies

Location: Hammond, Gyte Building Room 143

Website: <http://www.pnw.edu/learning-technologies/>

Telephone: 219-989-2873

Email: mycourses@pnw.edu

For hours of operation please visit our website.

- Blackboard Support
- Media Lab - Providing students with the materials, services, and facilities to create effective and professional computer mediated instruction
- The Media Lab consists of iMac computers - all equipped with the Microsoft Office, Adobe Master Suite, iLife, Digital media, and Internet software
- High-output, high-quality black/white laser printing is available throughout the lab
- Staff can assist students and faculty in the use of these programs to create and edit digital video, multimedia presentations, websites, and much more
- The lab is open but priority is given to School of Education students
- Closed to public when classes or training is being held within the lab

PNW Sports and Recreation

Recreation

Fitness and Recreational Sports provides a wide range of opportunities to improve and maintain your health. A comprehensive package of recreational activities includes intramural sports, fitness activities, outdoor recreation and special events. Campus facilities for recreation include tennis/basketball courts, group fitness classes, locker rooms, and indoor game rooms at both locations. The Westville campus' facilities include a disc golf course and walking/jogging trails. Both locations have a dedicated fitness center, including the one located in the James B. Dworkin Student Activities Center in Westville, and the Fitness & Recreation Center (FNRC) in Hammond.

Sports

Purdue University Northwest fields teams in men's baseball, men and women's basketball, men and women's cross-country, men's golf, men and women's soccer, women's softball, men and women's tennis, and women's volleyball. A cheerleading squad supports athletics and other campus activities. Additional club sports programs exist or can be started if sufficient student interest and funding exists.

Intercollegiate Student-Athlete Academic Support Program

The Intercollegiate Student-Athlete Academic Support Program is a program designed to aid student-athletes in achieving success through providing personalized academic guidance, appropriate tutoring by subject, special interest workshops and referrals to other necessary services as needed. Through collaboration and integration with campus resources, programs and services are designed to enhance student athletes' overall development, well-being, and undergraduate experience.

Testing Center

Purdue Northwest offers two testing centers, one at each location – Hammond and Westville. Each center offers placement testing for English, Math and Foreign Languages (French, German and Spanish). Placement testing for English is completed in the center at both locations. Please call ahead regarding appointment and identification requirements. Math and Foreign Language placement testing may be completed remotely through the MyPNW Portal.

The Testing Center also offers proctored accommodated testing, make-up exams, distance education exams, and CLEP examinations, as well as providing national testing for the SAT, ACT, and GRE. More information can be found at: <http://centers.pnw.edu/testing-services>

Hammond: Lawshe Hall, Room 118, 219/989-2504

Westville: Library Student Faculty Building, Room 202, 219-785-5326

University Police

The PNW University Police Department conducts motorized, foot and bike patrols throughout the campus and responds to all calls for service. Our officers embrace community policing while patrolling the area around campus. The department is equally responsible for traffic and parking enforcement and investigating all suspicious or criminal activity, motor vehicle accidents, and medical emergencies. Motorists in need of assistance may call the police department.

Escorts on campus are handled on request, University Police also oversees building access control, staff ID's and transportation services. The University Police, in conjunction with University Facilities Services, creates, approves and distributes key cards for offices and rooms.

Hammond: University Police Building - Emergency; (To report emergencies dial 911. If using a campus phone dial 9-911) 219/989-2220; Business, Email - UNPOL@pnw.edu . Business Lobby Hours: 8:00AM to 5:00PM, Police Department Hours - 24/7

Westville: University Police Building - Emergency; (To report emergencies dial 911 from a campus phone. Dial 219/785-5220 from a cell phone.) 219/785-5220 - Business, Email - campus_police@pnw.edu. Business Lobby Hours - 8:00AM to 10:00PM .
Police Department Hours - 24/7

College of Business

College of Business

Jane Mutchler, PhD, Dean
www.pnw.edu/business

The innovative programs in the College of Business will prepare you to meet the needs of today's global business environment and provide you with opportunities to develop your leadership potential.

Competitions and experiential learning courses help you build a portfolio of work to impress employers. In the process, you will discover your passions, learn how to work as an effective team member, and develop innovative ways of thinking through cutting-edge technology and learning experiences.

Our students work with community partners in several exciting ways. Small Business Consulting students work with small businesses to identify and solve problems. Marketing students pair with SBDC-identified companies to build and implement Google AdWords campaigns for them. In our Center for Business and Economic Development Solutions, students work alongside faculty to solve real world business problems. Our HTM students run a lunch and dinner restaurant for the campus and the community.

Our engaged and dedicated faculty, many of whom remain working in their areas of expertise, will lead you from the classroom to career with innovative and challenging learning experiences.

We'll help you connect with top employers in our new Center for Career Management and through professional development seminars built into your curriculum.

Our graduates work for local, national, and international companies including People's Bank, White Lodging, Aerotek, Hadady Corporation, Apple, KPMG, Exelon, Ritz Carlton, Four Seasons, Morningstar, Accenture, Starbucks, Coca Cola, Ernst & Young, PwC, Airbnb, Disney, Pratt Industries, Zimmer Biomet, Aflac, the Chicago Board Options Exchange, and the World Bank.

Please visit our website and click on individual degree programs to learn more about the courses you will take and discover the opportunities awaiting you in your program of interest. Please contact us if you have questions. Alternatively, just schedule a visit. We look forward to meeting you.

Accreditations

All of the undergraduate programs in the College of Business are nationally accredited at the highest levels. This ensures that each program is independently reviewed and meets the quality expectation for that profession.

- Business Programs-Accredited by the Association to Advance Collegiate Schools of Business, International (AACSB) <http://www.aacsb.edu>.
- Hospitality and Tourism Management Programs- Accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA) <http://www.acpha-cahm.org/>

Minors

Minors offered at Purdue Northwest.

Department of Managerial Studies

Bachelor of Science

Leadership, BS

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- ECON 25200 - Macroeconomics

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (47 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- PHIL 32400 - Ethics for the Professions
- ACC 20100 - Introductory Management Accounting
- STAT 30100 - Elementary Statistical Methods
or
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (18 Credits)

- OBHR 42300 - Negotiations
- OBHR 43800 - Managing Workforce Diversity

- OBHR 44100 - Introduction to Organizational Change and Development
- OBHR 44400 - Leadership
- OBHR 44500 - Team Dynamics
- OBHR 49900 - Undergraduate Research in Organizational Behavior

Other Required Courses (24 Credits)

Free Electives (12 Credits)

Any (4) courses 10000 level or higher except for CHM 10000, GNS 29000, MA 11100, and MA 11500.

Business Electives (6 Credits)

Any (2) College of Business courses 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

OBHR Electives (6 Credits)

any (2) OBHR courses which is higher than 30000.

Total 120 Credits Required

Effective Fall 2016, newly admitted students at the North Central campus or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science, major in Leadership." Formerly, this degree option was known as "Bachelor of Science with a major in Organizational Leadership and Supervision" at the North Central campus.

Bachelor of Science in Business

Entrepreneurship, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics
- PHIL 32400 - Ethics for the Professions
- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (18 Credits)

- ENTR 10000 - Introduction to Entrepreneurship
- ENTR 31001 - Launching a New Venture
- ENTR 25000 - Opportunity Identification
- ENTR 30300 - Raising Money
- ENTR 42000 - Business Plan Development
- ENTR 30006 - Growing the Firm Credit Hours: 3.00

Other Required Courses (21 Credits)

Business Electives (6 Credits)

Any College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Free Electives (12 Credits)

Any course 10000 level or higher except for CHM 10000, CHM 29000, MA 11100, and MA 11500.

Major Course (3 Credits)

Choose any 1 course from

- ENTR 40000 - Small Business Consulting

- ENTR 40100 - Social Entrepreneurship
- ENTR 41000 - Advanced Small Business Consulting
- ENTR 49000 Credit Hours: 3.00

Total 120 Credits Required

Human Resources, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or higher

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off the Core list, except for FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Supplemental Core (9 Credits)

- BUSM 22500 - Fundamental Managerial Statistics
or
- STAT 30100 - Elementary Statistical Methods

- BUSM 34400 - Business Ethics
or
- PHIL 32400 - Ethics for the Professions

- BUSM 32000 - Business Communication

Business Core (41 Credits)

- BUSM 10100 - Introduction to Business
- ACC 20000 - Introductory Accounting
- ACC 20100 - Introductory Management Accounting
- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics
- FIN 31000 - Financial Management
- MKG 22400 - Principles of Marketing
- OBHR 33000 - Introduction to Organizational Behavior
- BUSM 35400 - Legal Foundations of Business I

- ISM 21100 - Principles of Information Systems
or

- CNIT 12700 - Microcomputer Spreadsheet Applications
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
or
- BUSM 40100 - Global Business
- BUSM 45000 - Strategic Management: Capstone
- BUSM 20000 - Second Year Seminar in Business
- BUSM 30000 - Third Year Seminar in Business

Major Core (30 Credits)

- OBHR 43100 - Human Resources Management
- OBHR 43000 - Labor Relations
- OBHR 43400 - Benefits Administration
- OBHR 43300 - Staffing Organizations
- OBHR 42600 - Training and Managerial Development

OBHR Electives (9 Credits)

OBHR 43100 is a pre-requisite for the courses listed in this note.

Choose any (3) courses from:

- OBHR 42700 - Occupational Safety and Health
- OBHR 43500 - Compensation Management
- OBHR 43600 - Collective Bargaining
- OBHR 43900 - Employment Law
- OBHR 44400 - Leadership
- OBHR 44800 - Human Resources Information Systems
- OBHR 49000 - Problems in Organizational Behavior

Business Electives, 300 Level + (6 Credits)

Any (2) College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Other Required Courses (9 Credits)

Free Electives (9 Credits)

Any (3) course 10000 level or higher **except for** CHM 10000, GNS 29000, MA 11100, and MA 11500

Total 120 Credits Required

Effective Fall 2016, newly admitted students or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science in Business with a major in Human Resources." Formerly, this degree option was known as "Bachelor of Science with a major Human Resources" at the North Central campus.

Management, BSB

Purdue Northwest offers a Bachelor of Science degree in Business that has been designed to help students develop a broad perspective of the business organization and the environment in which it operates. A distinctive and flexible general education component establishes a solid foundation that facilitates your ability to respond to changing employment opportunities even after you graduate. Through a series of core courses and with the guidance of experienced faculty, you'll be introduced to the broad range of knowledge and skills needed to begin or advance a career in a wide range of enterprises.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or higher

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- STAT 30100 - Elementary Statistical Methods (NC)
or
- BUSM 22500 - Fundamental Managerial Statistics (Cal)

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (41 Credits)

- BUSM 10100 - Introduction to Business
- ACC 20000 - Introductory Accounting
- ACC 20100 - Introductory Management Accounting
- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics
- FIN 31000 - Financial Management
- MKG 22400 - Principles of Marketing

- OBHR 33000 - Introduction to Organizational Behavior
or
- OBHR 22100 - Principles of Management

- BUSM 35400 - Legal Foundations of Business I

- ISM 21100 - Principles of Information Systems
or
- CNIT 12700 - Microcomputer Spreadsheet Applications

- BUSM 36000 - Production and Operations Management

- BUSM 38000 - International Business

or

- BUSM 40100 - Global Business
- BUSM 45000 - Strategic Management: Capstone
- BUSM 20000 - Second Year Seminar in Business
and
- BUSM 30000 - Third Year Seminar in Business

Major Core (30 Credits)

- BUSM 35100 - Organization Theory and Design
- OBHR 43100 - Human Resources Management
- ISM 31100 - Management Information Systems
- BUSM 35300 - Organization and Environment
- BUSM 33300 - Total Quality Management
- ECON 41900 - Managerial Economics
- ISM 32500 - Logistics
- BUSM 41100 - Entrepreneurship and Employee Innovation

Business Electives (6 Credits)

Any (2) College of Business courses 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Other Required Courses (18 Credits)

- BUSM 34400 - Business Ethics
or
- PHIL 32400 - Ethics for the Professions
- BUSM 32000 - Business Communication

Free Electives (12 Credits)

Any (4) courses 10000 level or higher except for CHM 10000, GNS 29000, MA 11100 and MA 11500

Total 120 Credits Required

Effective Fall 2016, newly admitted students at the North Central campus or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science in Business with a major in Management." Formerly, this degree option was known as "Bachelor of Science with a major in Business, and a concentration in Management" at the North Central campus.

Marketing, BSB

Purdue Northwest offers a Bachelor of Science degree in Business that has been designed to help students develop a broad perspective of the business organization and the environment in which it operates. A distinctive and flexible general education component establishes a solid foundation that facilitates your ability to respond to changing employment opportunities even after you graduate. Through a series of core courses and with the guidance of experienced faculty, you'll be introduced to the broad range of knowledge and skills needed to begin or advance a career in a wide range of enterprises.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or higher

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- STAT 30100 - Elementary Statistical Methods (NC)
or
- BUSM 22500 - Fundamental Managerial Statistics (Cal)

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (41 Credits)

- BUSM 10100 - Introduction to Business
- ACC 20000 - Introductory Accounting
- ACC 20100 - Introductory Management Accounting
- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics
- FIN 31000 - Financial Management
- MKG 22400 - Principles of Marketing

- OBHR 33000 - Introduction to Organizational Behavior
or
- OBHR 22100 - Principles of Management

- BUSM 35400 - Legal Foundations of Business I

- ISM 21100 - Principles of Information Systems
or
- CNIT 12700 - Microcomputer Spreadsheet Applications

- BUSM 36000 - Production and Operations Management

- BUSM 38000 - International Business
or
- BUSM 40100 - Global Business

- BUSM 45000 - Strategic Management: Capstone

- BUSM 20000 - Second Year Seminar in Business
and
- BUSM 30000 - Third Year Seminar in Business

Major Core (30 Credits)

- MKG 43300 - Personal Selling
- MKG 42400 - Consumer Behavior
- MKG 42500 - Marketing Research
- MKG 42600 - Marketing Channels
- MKG 43000 - Advertising Campaigns I

- MKG 48000 - Marketing Strategy
or
- MKG 42900 - Advertising Campaigns II

- MKG 42200 - International Marketing

Digital Marketing Elective (3 Credits)

May select one from the following:

- MKG 42000 - Digital Marketing Campaigns
- MKG 42800 - Advertising Management
- MKG 33400 Credit Hours: 3.00
- MKG 37500 Credit Hours: 3.00
- MKG 43400 - Digital Marketing Strategy

Business Electives (6 Credits)

Any (2) College of Business courses 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Other Required Courses (18 Credits)

- BUSM 34400 - Business Ethics
or
- PHIL 32400 - Ethics for the Professions

- BUSM 32000 - Business Communication

Free Electives (12 Credits)

Any (4) courses 10000 level or higher **except for** CHM 10000, GNS 29000, MA 11100, and MA 11500

Total 120 Credits Required

Effective Fall 2016, newly admitted students at the North Central campus or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science in Business with a major in Marketing." Formerly, this degree option was known as "Bachelor of Science with a major in Business, and a concentration in Marketing" at the North Central campus.

Master of Business Administration

Master Business Administration - Executive, MBA

The program effectively requires that all graduate students complete a minimum of 42 graduate credit hours.

1. The EMBA is a lock-step program that consists of 42 credit hours. Students complete the requirements of the degree in 15 months.
2. Students may start the program in September (Fall).
3. Courses are offered in 5- and 10-week modules. All course are offered on Saturdays.

Admission Requirements

1. Proof of baccalaureate degree with a graduate index of 3.0/4.0.
2. Five years of professional or managerial work experience.
3. Recommended: College Algebra or Finite Mathematics

Degree Requirements

- MGMT 51300 - Economics for Managers
- MGMT 57000 - Spreadsheet Modeling and Simulation
- MGMT 60000 - Accounting for Managers
- MGMT 61100 - Advanced Corporate Finance
- MGMT 62000 - Marketing Management
- MGMT 63000 - Legal and Social Foundations of Management
- MGMT 64000 - International Business
- MGMT 64700 - International Business Practicum
- MGMT 65000 - Strategic Management I
- MGMT 66000 - Introduction to Operations Management
- MGMT 66400 - Supply Chain Management
- MGMT 67000 - Business Analytics
- MGMT 68300 - Information Technology for Innovations and Competitive Advantage
- MGMT 69000 - Advanced Problems in Management
- OBHR 66200 - Leadership
- OBHR 68100 - Managing Behavior in Organizations

Total 42 Credits Required

Master Business Administration - Professional, MBA

The program effectively requires that all graduate students complete a minimum of 42 graduate credit hours.

1. The PMBA is a lock-step program that consists of 42 credit hours. Students complete the requirements of the degree in two years.
2. Students may start the program in either August (Fall) or January (Spring).
3. Courses are offered in 8- and 16-week modules. All course are offered in the evening.

Admission Requirements

1. Proof of baccalaureate degree with a graduate index of 3.0/4.0.
2. Three years of professional work experience.
3. Recommended: College Algebra

Degree Requirements

- MGMT 51300 - Economics for Managers
- MGMT 59000 - Directed Readings in Management - Practicum 1 (Management)
- MGMT 59000 - Directed Readings in Management - Practicum 2 (Operations/MIS)
- MGMT 59000 - Directed Readings in Management - Practicum 3 (Marketing)
- MGMT 59000 - Directed Readings in Management - Practicum 4 (Finance)
- MGMT 60000 - Accounting for Managers
- MGMT 61100 - Advanced Corporate Finance
- MGMT 61200 - Financial Management III
- MGMT 62000 - Marketing Management
- MGMT 63000 - Legal and Social Foundations of Management
- MGMT 64000 - International Business
- MGMT 65000 - Strategic Management I
- MGMT 66000 - Introduction to Operations Management
- MGMT 67000 - Business Analytics
- MGMT 67200 - Advanced Business Analytics
- MGMT 68300 - Information Technology for Innovations and Competitive Advantage
- OBHR 63300 - Human Resource Management
- OBHR 66200 - Leadership

Total 42 Credits Required

Master Business Administration, MBA

The program effectively requires that all graduate students complete a minimum of 45 graduate credit hours.

4. The MBA program consists of 45 credit hours of Graduate courses. Students may complete the requirements of the degree typically in two years.
5. Students may start the program in either August (Fall), January (Spring), or May (Summer).
6. Courses are offered in 8- and 16-week modules. All course are offered in the evening.

Admission Requirements

1. Proof of baccalaureate degree with a graduate index of 3.0/4.0 and satisfactory performance on the GMAT examination, with a minimum score of 500.
2. Capacity for management responsibility.
3. Recommended: College Algebra

Degree Requirements

Foundation Courses (19 Credits)

- MGMT 51300 - Economics for Managers
- MGMT 60000 - Accounting for Managers
- MGMT 61100 - Advanced Corporate Finance
- MGMT 63000 - Legal and Social Foundations of Management
- MGMT 64000 - International Business
- MGMT 67000 - Business Analytics
- MGMT 68300 - Information Technology for Innovations and Competitive Advantage
- OBHR 63300 - Human Resource Management
- OBHR 68100 - Managing Behavior in Organizations

Business Core Courses (14 Credits)

- MGMT 61200 - Financial Management III
- MGMT 62000 - Marketing Management
- MGMT 66000 - Introduction to Operations Management
- MGMT 67200 - Advanced Business Analytics
- MGMT 65000 - Strategic Management I

Elective Courses (12 Credits)

Any approved 50000 or 60000 level courses offered by the College of Business.

Concentrations Offered

MBA/Information Systems

Foundation and Business Core Courses (33 credit hours) plus four concentration courses (12 credit hours) chosen from the list below:

- MGMT 54400 - Database Management Systems
- MGMT 54600 - Decision Support and Expert Systems
- MGMT 57000 - Spreadsheet Modeling and Simulation
- MGMT 59000 - Directed Readings in Management (Advanced E-Business Applications)
- MGMT 59000 - Directed Readings in Management (Advanced Project Management)

- MGMT 59000 - Directed Readings in Management (Advanced E-Business Strategy)
- MGMT 59000 - Directed Readings in Management (Advanced Systems Analysis and Design)
- MGMT 59000 - Directed Readings in Management (Advanced Excel Applications)
- MGMT 66400 - Supply Chain Management
- Or other courses approved by the MBA Director

MBA/Accounting

Foundation and Business Core Courses (33 credit hours) plus four concentration courses (12 credit hours) chosen from the list below:

- MGMT 50100 - Advanced Taxation
- MGMT 50300 - Advanced Accounting
- MGMT 50500 - Management Accounting II
- MGMT 50600 - Auditing
- MGMT 50900 - International Accounting
- MGMT 51500 - Fraud Investigation
- MGMT 59000 - Directed Readings in Management (Governmental & Non-For-Profit Accounting)
- MGMT 59000 - Directed Readings in Management (Accounting Communications)
- MGMT 59000 - Directed Readings in Management (Corporate Governance & Ethics)
- MGMT 59000 - Directed Readings in Management (Advanced Financial Reporting)
- Or other courses approved by the MBA Director

Transfer of Credit

Undergraduate credits may not be used to satisfy master's degree requirements. Transfer credits, in general, are not accepted. In exceptional cases, however, graduate credits not exceeding six hours may be transferred into the program. Exceptional cases are individually considered by the Graduate Committee. Transfer credits are allowed only after one semester of satisfactory work in residence at Purdue University Northwest. The minimum grade for transfer credits is a B.

Total 45 Credits Required

Graduate Certificate

Economic Development Graduate Certificate

1. Since 2006, PNW faculty and administration have worked with the Economic Development community to explore how to improve the performance of economic development activities in the northwest Indiana region. From that work, the concept and content of an in-depth educational program emerged. The program is academically rigorous to meet graduate-level standards, yet emphasizes practical application of concepts to our region's resources and capabilities.
2. Students complete the certificate requirements in nine months.
3. Students may start the program in August (Fall).
4. Courses are offered in 10-week modules. All course are offered on Monday afternoons.

Admission Requirements

1. A bachelor's degree from an accredited college or university.

Certificate Requirements

- MGMT 59000 - Directed Readings in Management (The Competitive Advantage of a Region)
- MGMT 59000 - Directed Readings in Management (Economic and Social Analysis)
- MGMT 59000 - Directed Readings in Management (The Process of Economic Development)

Total 42 Credits Required

Department of Quantitative Business Studies

Bachelor of Science in Accounting

Accounting, BSA

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or higher

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

General Ed Elective (6 Credits)

Select courses off course list, except FYE

MA 15910 - Introduction to Calculus is highly recommended as one of the General Education/Free electives. Otherwise, select any approved general education course. Verify electives with an academic advisor.

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- BUSM 34400 - Business Ethics
or
- PHIL 32400 - Ethics for the Professions
- STAT 30100 - Elementary Statistical Methods
or
- BUSM 22500 - Fundamental Managerial Statistics
- ACC 20000 - Introductory Accounting
- ACC 20100 - Introductory Management Accounting
- ECON 25100 - Microeconomics

- ECON 25200 - Macroeconomics
- FIN 31000 - Financial Management
- MKG 22400 - Principles of Marketing
- OBHR 33000 - Introduction to Organizational Behavior
or
- OBHR 22100 - Principles of Management
- BUSM 35400 - Legal Foundations of Business I
- ISM 21100 - Principles of Information Systems
or
- CNIT 12700 - Microcomputer Spreadsheet Applications
- BUSM 32000 - Business Communication
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
or
- BUSM 40100 - Global Business
- BUSM 45000 - Strategic Management: Capstone
- BUSM 20000 - Second Year Seminar in Business
and
- BUSM 30000 - Third Year Seminar in Business

Major Core (18 Credits)

- ACC 35000 - Intermediate Accounting I
- ACC 35100 - Intermediate Accounting II
- ACC 40400 - Tax Accounting
- ACC 40600 - Auditing
- ACC 40700 - Managerial/Cost Accounting
- ACC 40900 - Accounting Information Systems

Other Required Courses (21 Credits)

Accounting Elective, 300 level + (3 Credits)

- ACC 40200 - Financial Statements Analysis
- ACC 49500 - Internship in Accounting
or
- ACC 49510 - Internship in Tax Accounting

- ACC 49900 - Undergraduate Research in Accounting
- ACC 49000 - Independent Study in Accounting Practice or Research

Business Electives, 300 level + (9 Credits)

Any subject code from the College of Business

Free Electives (9 Credits)

Any course 10000 level or higher except for CHM 10000, GNS 29000, MA 11100 and MA 11500. Verify electives with an academic advisor.

Total 120 Credits Required

Effective Fall 2016, newly admitted students or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science Accounting" (BSA). Formerly, this degree option was known as "Bachelor of Science with a major in Business, and a concentration in Accounting" at the North Central campus.

Bachelor of Science in Business

Business Analytics, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics
- PHIL 32400 - Ethics for the Professions
- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I

- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (21 Credits)

- BIZA 32500 - Applied Business Statistics
- CIS 25300 - Applied Database Techniques
- ISM 32000 - Advanced Spreadsheet Applications for Business
- ISM 40800 - Data Mining
- BIZA 42000 - Decision Analytics
- ISM 48600 - Project Management
- BIZA 49000 - Senior Project

Other Required Courses (18 Credits)

Business Electives (9 Credits)

Any (3) College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Free Electives (9 Credits)

Any (3) course 10000 level or higher except for CHM 10000, GNS 29000, MA 11100, and MA 11500.

Total 120 Credits Required

*** Major Course - Choose any 1 course from

- ENTR 40000 - Small Business Consulting
- ENTR 40100 - Social Entrepreneurship
- ENTR 41000 - Advanced Small Business Consulting
- ENTR 49000

Finance, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics
- PHIL 32400 - Ethics for the Professions
- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (18 Credits)

- ACC 35000 - Intermediate Accounting I
- FIN 44300 - Fundamentals of Investments
- FIN 34000 - Corporate Financial Problems
- FIN 41200 - Financial Markets and Institutions
- FIN 44900 - International Financial Management
- ACC 40200 - Financial Statements Analysis

Other Required Courses (21 Credits)

Business Electives (9 Credits)

Any (3) College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Free Electives (6 Credits)

Any (2) course 10000 level or higher except for CHM 10000, GNS 29000, MA 11100, and MA 11500.

Finance Electives (6 Credits)

Choose (2) from:

- FIN 44000 - Management of Financial Institutions
- FIN 44100 - Futures and Options
- FIN 44200 - Personal Finance
- FIN 44400 - Investment Management
- FIN 44700 - Derivatives
- FIN 44800 - Real Estate Principles

Total 120 Credits Required

Information Systems, Computer Information System, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics

- PHIL 32400 - Ethics for the Professions
or
- BUSM 34400 - Business Ethics

- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (36 Credits)

- CIS 23000 - Data Communications
- CIS 16600 - Introduction to Programming
- CIS 25300 - Applied Database Techniques
- CIS 24100 - Foundations of Web Design and Development
- CIS 35300 - Advanced Database Methods
- CIS 26300 - Java Programming
- CIS 34100 - Web Development II
- ISM 30700 - System Analysis and Design
- CIS 46300 - Introduction To Mobile Programming
- ISM 48600 - Project Management
- CIS 42600 - Applications Software Development Project
- ISM 41600 - Information Systems Control and Audit

Other Required Courses (3 Credits)

Free Electives (3 Credits)

Any course 10000 level or higher except for CHM 10000, GNS 29000, and MA 11500.

Total 120 Credits Required

Information Systems, Management Information Systems, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics

- PHIL 32400 - Ethics for the Professions
or
- BUSM 34400 - Business Ethics

- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (24 Credits)

- CIS 25300 - Applied Database Techniques
- CIS 24100 - Foundations of Web Design and Development
- ISM 32000 - Advanced Spreadsheet Applications for Business
- ISM 30700 - System Analysis and Design
- ISM 31800 - E-Business Strategy
- ISM 48600 - Project Management
- ISM 48700 - Knowledge and Decision Management
- ISM 48901 - Enterprise Resource Planning Implementation

Other Required Courses (15 Credits)

Free Electives (9 Credits)

Any (3) courses 10000 level or higher except for CHM 10000, GNS 29000, MA 11100, and MA 11500.

Electives (6 Credits)

Select 2 courses from the list below:

Major Electives

- ISM 32500 - Logistics
- ISM 40800 - Data Mining
- ISM 41600 - Information Systems Control and Audit
- ISM 41800 - Knowledge Management and Business Intelligence
- ISM 48300 - Business Data Communications
- or CIS courses approved by the Department Head.

Business Analytics Major

- BIZA 32500 - Applied Business Statistics
- BIZA 49000 - Senior Project

Business Elective

Any College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Total 120 Credits Required

Master of Accountancy

Master of Accountancy, MACC

The program effectively requires that all graduate students complete a minimum of 30 graduate credit hours.

1. The MBA program consists of 30 credit hours of Graduate courses. Students may complete the requirements of the degree in one – two years.
2. Students may start the program in either August (Fall), January (Spring), or May (Summer).
3. Courses are offered in 16-week modules. All course are offered in the evening.

Admission Requirements

1. Admission requires an undergraduate degree with a major or concentration in accounting, a graduate index of 3.0/4.0 and satisfactory performance on the GMAT examination if undergraduate GPA is less than 3.20 on a 4.0 scale. Applicants may request a waiver of the GMAT requirement under special circumstances.
2. Applications from students whose undergraduate degree major is not accounting may be considered provided that they have completed a sufficient number and variety of accounting courses to satisfy the prerequisites for the master's level courses required by the program.

Degree Requirements

- MGMT 50100 - Advanced Taxation
- MGMT 50300 - Advanced Accounting
- MGMT 50500 - Management Accounting II
- MGMT 50600 - Auditing
- MGMT 50900 - International Accounting
- MGMT 51500 - Fraud Investigation
- MGMT 59000 - Directed Readings in Management
- MGMT 59000 - Governmental & Non-For-Profit Accounting
- MGMT 59000 - Accounting Communication
- MGMT 59000 - Advanced Financial Reporting
- MGMT 59000 - Corporate Governance & Ethics
- Or other graduate level courses approved by the Master of Accountancy Advisor

Total 30 Credits Required

Graduate Certificate

Forensic Accounting Graduate Certificate

1. The Certificate in Forensic Accounting is designed to prepare candidates to understand how and why occupational fraud is occurring, how it can be detected or prevented, and how allegations of fraud should be professionally investigated and resolved.
2. Students may start the program in August (Fall).
3. Courses are offered in 8- and 16-week modules. All course are offered in the evening.

Admission Requirements

1. A bachelor's degree from an accredited college or university.
2. Completion of an introductory accounting course.

Certificate Requirements

- MGMT 51500 - Fraud Investigation
- MGMT 51700 - Fraud Data Analysis

- MGMT 51800 - Criminology and Legal Issues
- MGMT 51900 - Advanced Fraud Investigation

Total 12 Credits Required

White Lodging School of Hospitality and Tourism Management

Bachelor of Science

Hospitality and Tourism Management, BS

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (6 Credits)

- FN 30300 - Essentials of Nutrition and any Natural Science course w/ Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (1 Credit)

- HTM 10100 - Hospitality and Tourism Student Seminar

Major Core (65 Credits)

- HTM 10000 - Introduction to the Hospitality and Tourism Industry
- HTM 19100 - Sanitation and Health in Foodservice, Lodging, and Tourism
- FN 20300 - Foods Selection and Preparation
- HTM 14100 - Financial Accounting for the Service Industries
- HTM 18100 - Lodging Management
- HTM 34100 - Cost Controls in Foodservice and Lodging
- ECON 21000 - Principles of Economics
- HTM 21200 - Organization and Management in the Hospitality and Tourism Industry
- HTM 23100 - Hospitality and Tourism Marketing
- HTM 29100 - Quantity Food Production and Service
- HTM 37100 - Introduction to Tourism
- HTM 24100 - Managerial Accounting and Financial Management in Hospitality Operations
- HTM 31100 - Procurement Management for Foodservice
- HTM 31200 - Human Resources Management for the Service Industries
- HTM 32200 - Hospitality Facilities Management
- ENGL 42000 - Business Writing
- HTM 41100 - Hospitality and Tourism Law
- HTM 49100 - Beverage Management
- HTM 49900 - Feasibility Studies and Business Development in Hospitality and Tourism
- HTM 30100 - Hospitality and Tourism Industry Practice
- HTM 49200 - Advanced Foodservice Management
- SPAN 10600 - Spanish for Business I

Other Required Courses (33 Credits)

HTM Electives (12 Credits)

Choose (4) from:

- HTM 30900 - Hospitality and Tourism Management Publicity and Promotion
- HTM 31400 - Franchising
- HTM 31500 - Club Management and Operations
- HTM 31600 - Casino Management
- HTM 32100 - Equipment for Restaurants, Hotels, and Institutions
- HTM 32300 - Food Service Layout and Design
- HTM 33100 - Hospitality and Tourism Sales and Service
- HTM 35200 - International Cuisine
- HTM 36100 - Managed Services for the Foodservice Industry
- HTM 37200 - Global Tourism Geography
- HTM 37500 - Sport-Related Tourism and Leisure Management
- HTM 38100 - Executive Housekeeping Management
- HTM 38300 - Resort, Cruise, and Entertainment Operations
- HTM 38500 - Educational Study Cruise (E X L)
- HTM 39000 - Undergraduate Special Problems (Beer Appreciation)
- HTM 39000 - Undergraduate Special Problems (Introduction to Baking Management)
- HTM 39000 - Undergraduate Special Problems (Special Event Planning: A Christmas Story)
- HTM 39000 - Undergraduate Special Problems (Special Event Planning: Lakeshore Air Show)
- HTM 39000 - Undergraduate Special Problems (Revenue Management)
- HTM 39100 - Specialty Food Service and Catering
- HTM 41900 - Senior Seminar in Hospitality and Tourism Management
- HTM 44200 - Fraud Examination for Hospitality Managers
- FN 10500 - Nutrition in the 21st Century
- FN 12000 - Nutrition for a Healthy Lifestyle
- FN 12100 - Vegetarian Nutrition
- FN 20800 - Nutrition in Women's Health
- FN 26000 - Child Nutrition
- FN 26100 - Nutrition for Health, Fitness, and Sports
- FN 32200 - Community Nutrition & Health Promotion Entrepreneurship
- FN 31500 - Fundamentals of Nutrition
- FN 33000 - Diet Selection and Planning
- FN 36000 - Nutrition for the Aging
- FN 39000 - Independent Undergraduate Research
- FN 59000 - Special Problems in Nutrition

MA/SCI Elective (3 Credits)

Any Math or Statistics course or any Natural Science course.

Social Science Elective (3 Credits)

Free Electives (15 Credits)

Any (5) elective courses

Total 129 Credits Required

Hospitality and Tourism Management, Food and Beverage, BS

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (6 Credits)

- FN 30300 - Essentials of Nutrition and any Natural Science course w/ Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (1 Credit)

- HTM 10100 - Hospitality and Tourism Student Seminar

Major Core (77 Credits)

- HTM 10000 - Introduction to the Hospitality and Tourism Industry
- HTM 19100 - Sanitation and Health in Foodservice, Lodging, and Tourism
- FN 20300 - Foods Selection and Preparation
- HTM 35200 - International Cuisine
- HTM 14100 - Financial Accounting for the Service Industries
- HTM 18100 - Lodging Management
- HTM 39200 - Classical Cuisine
- HTM 34100 - Cost Controls in Foodservice and Lodging
- ECON 21000 - Principles of Economics
- HTM 36000 - Introduction to Baking Management
- HTM 21200 - Organization and Management in the Hospitality and Tourism Industry
- HTM 23100 - Hospitality and Tourism Marketing
- HTM 29100 - Quantity Food Production and Service
- HTM 37100 - Introduction to Tourism
- HTM 24100 - Managerial Accounting and Financial Management in Hospitality Operations
- HTM 31100 - Procurement Management for Foodservice
- HTM 31200 - Human Resources Management for the Service Industries
- HTM 32200 - Hospitality Facilities Management
- ENGL 42000 - Business Writing
- HTM 41100 - Hospitality and Tourism Law
- HTM 49100 - Beverage Management
- HTM 49900 - Feasibility Studies and Business Development in Hospitality and Tourism
- HTM 39100 - Specialty Food Service and Catering
- HTM 39300 - Advanced Foodservice Techniques
- HTM 30100 - Hospitality and Tourism Industry Practice
- HTM 49200 - Advanced Foodservice Management
- SPAN 10600 - Spanish for Business I
- HTM 30200 - Hospitality and Tourism Industry Internship

Other Required Courses (21 Credits)

Food and Beverage Elective (3 Credits)

- FN 30100 - Nutrition and the Culinary Arts
- HTM 32300 - Food Service Layout and Design
- HTM 38500 - Educational Study Cruise
- HTM 42000 - Event Management

MA/SCI Elective (3 Credits)

Any Math or Statistics course or any Natural Science course.

Social Science Elective (3 Credits)

Free Electives (12 Credits)

Choose (4) elective courses

Total 129 Credits Required

Multidisciplinary Studies, Fitness Management, BS

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (8 Credits)

- BIOL 21300 - Human Anatomy and Physiology I
- BIOL 21400 - Human Anatomy and Physiology II

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (1 Credit)

- HTM 10100 - Hospitality and Tourism Student Seminar

Major Core (83 Credits)

- HTM 10000 - Introduction to the Hospitality and Tourism Industry
- FN 26100 - Nutrition for Health, Fitness, and Sports
- CHM 11900 - General Chemistry
- HTM 23100 - Hospitality and Tourism Marketing
- FN 20300 - Foods Selection and Preparation
- FM 21900 - Issues and Problems in Health
- FN 10500 - Nutrition in the 21st Century
- FN 30300 - Essentials of Nutrition

- PSY 12000 - Elementary Psychology
or
- SOC 10000 - Introductory Sociology

- CDFS 21000 - Introduction to Human Development Credit Hours: 3.00
- FM 30100 - Recreation Leadership
- HTM 21200 - Organization and Management in the Hospitality and Tourism Industry
- ECON 21000 - Principles of Economics
- FM 26800 - Physiology of Exercise
- HTM 14100 - Financial Accounting for the Service Industries
- HTM 37100 - Introduction to Tourism
- HTM 24100 - Managerial Accounting and Financial Management in Hospitality Operations
- FM 30000 - Practicum in Health, Fitness and Nutrition
- HTM 31200 - Human Resources Management for the Service Industries
- FM 30200 - Anatomy and Kinesiology
- FM 31400 - Beginning Concepts of Group Exercise
- FM 41000 - Evaluation, Testing and Assessment of Exercise
- FM 47400 - Physiology of Exercise II
- FN 12000 - Nutrition for a Healthy Lifestyle
- FN 12100 - Vegetarian Nutrition
- FN 36000 - Nutrition for the Aging
- FN 42200 - Community Nutrition and Health Promotion Entrepreneurship
- FM 30500 - Practicum in Fitness Management
- ENGL 42000 - Business Writing
- FM 31300 - Beginning Concepts of Personal Training
- HTM 31500 - Club Management and Operations

Other Required Courses (7 Credits)

Individualized Wellness Strategies (4 Credits)

(1 CR) – these courses are repeatable for credit.

May select 4 from the following:

- FM 10100 - Cardiovascular Exercise Machines
- FM 10200 - Weight Training
- FM 10300 - Walking/Jogging
- FM 10400 - Physical Fitness
- FM 10500 - Yoga
- FM 10600 - Racquetball
- FM 10700 - Basic Self-Defense
- FM 10800 - Circuit Training
- FM 11200 - Aikido
- FM 11300 - Tai Chi
- FM 11400 - Pilates
- FM 11600 - Wing Chun
- FM 11700 - Latin Ballroom Dance Partner

- FM 11701 - Latin Ballroom Dance Experience
- FM 11702 - Advanced Weight Training
- FM 11703 - Jiu Jitsu
- FM 11704 - Zumba
- FM 39000 - Trx Suspension Training
- FM 39000 - Army Physical Training

Free Elective (3 Credits)

Total 120 Credits Required

College of Engineering and Sciences

College of Engineering and Sciences

Chris Holford, Ph.D., Interim Dean

<http://academics.pnw.edu/engineering-sciences/>

The highly ranked College of Engineering & Sciences*, led by respected faculty, graduates some of the most successful engineers, scientists, healthcare professionals, and educators anywhere. More than ten undergraduate and graduate departments and programs prepare you to pursue excellent jobs in the highly sought after STEM fields in the high-tech, data-based 21st century.

As an undergraduate or graduate student, you can work on a broad range of research, ranging from statistical and computer data analysis, information technology of biological and chemical processes, smart technologies, ecology and environmental hazards, and more.

You can become a teacher or research mentor to others at PNW.

- Our engineering departments house one of the leading internationally-recognized groups in steel production improvement, in which you can experience a multi-disciplinary bridge among the sciences and engineering disciplines in a major heavy industry.
- Fifty percent of our Chemistry and Physics students go to graduate school.
- If you intend to become a doctor, dentist, veterinarian, or pharmacist, PNW can prepare you to apply.

Our graduates are actively and consistently recruited by numerous companies among which are:

- Sherwin Williams
- Monosol
- Midline Industries
- GEA Farm Technologies
- Solvay Industries
- NIPSCO
- Remis America Refrigeration Systems
- General Motors
- Department of Natural Resources
- INVISTA
- Flinthills Resources
- Alverno Labs
- University of Chicago and
- Indiana University Healthcare Systems

* US News and World Report

Accreditations

- Engineering Accreditation Commission of ABET, Inc. (EAC-ABET), 111 Market Place, Suite 1050, Baltimore, MD 21202-4012. phone: (410) 347-7700, fax: (410) 625-2238. <http://www.abet.org>.
- American Chemical Society (ACS) 1155 Sixteenth Street NW, Washington DC 20036. <https://www.acs.org/content/acs/en/about/governance/committees/training.html>.

Minors

Minors offered at Purdue Northwest.

Department of Biological Sciences

Associate of Science

Emergency Medical Services, AS

This associate degree program prepares students for careers in paramedicine. The program has two components and requires at least 3 years for completion. The academic phase of the program occurs on the Purdue University Northwest - Hammond campus and includes course work in the basic sciences and general studies. The clinical professional phase of the program is offered at an affiliated hospital (St. Anthony Medical Center, Crown Point, St. Mary's Medical Center, Hobart or Methodist Hospitals, Inc., Gary, Indiana) approved to offer the paramedic curriculum. Note: Emergency Medical Technician (EMT) training and certification must be completed prior to applying for the clinical phase

Degree Requirements

- BIOL 21300 - Human Anatomy and Physiology I
- BIOL 21400 - Human Anatomy and Physiology II
- COM 11400 - Fundamentals of Speech Communication
- CHM 11900 - General Chemistry
- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II
- MA 14700 - Algebra and Trigonometry for Technology
- PSY 12000 - Elementary Psychology

Psychology Electives (6 Credits)

Select (2) Psychology electives. The following courses are recommended:

- PSY 35000 - Abnormal Psychology
- PSY 35500 - Child Abuse and Neglect
- PSY 36100 - Human Development I: Infancy and Childhood
- PSY 42800 - Drugs and Behavior
- PSY 44300 - Aggression and Violence
- PSY 53200 - Psychological Disorders of Childhood
- PSY 53500 - Psychology of Death and Dying

Clinicals (28 Credits)

Total 60 Credits Required

Bachelor of Science

Biology, Biotechnology, BS

Students gain hands on experience in labs and learn how to use equipment that is ubiquitous in modern biological research.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences

Natural Sciences (4 Credits)

- CHM 11500 - General Chemistry

Technology (3 Credits)

- CNITCIS20400

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (4 Credits)

- BIOL 10100 - Introductory Biology

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (52 Credits)

- BIOL 10200 - Introductory Biology
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- STAT 33001 - Biostatistics
- BIOL 31600 - Basic Microbiology
- PHYS 22000 - General Physics
- BIOL 3XX00 - Introduction to Biotechnology Credit Hours: 3.00
- PHYS 22100 - General Physics
- CHM 33300 - Principles of Biochemistry
- BIOL 42600 - Senior Capstone
- BIOL 50800 - Recombinant DNA Techniques

Other Required Courses (38 Credits)

Biotechnology Electives (12 Credits)

Select (4) Biotechnology electives. Take minimum 6 credits from Group A and the rest can be from Group A or B. Maximum 3 credits of biotechnology related independent study, research, and internship can be used to fulfill the minimum 12 credit elective requirement.

Group A:

- BIOL 33300 - Ecology

- BIOL 35700 - Introductory Animal Physiology
- BIOL 32020 - Biology of the Immune System
- BIOL 50700 - Principles of Molecular Biology
- BIOL 59500 - Special Assignments

Group B:

- BIOL 30700 - Plant Physiology
- BIOL 41800 - Drugs and Disease
- BIOL 4XXXX - Experimental Design
- BIOL 48800 - Biological Sciences Internship (Biotechnology Related)
- BIOL 48900 - Biological Sciences Research (Biotechnology Related)
- BIOL 51601 - Food Microbiology
- BIOL 51605 - Environmental Microbiology
- BIOL 51801 - Biology Ethical Frontiers
- BIOL 53300 - Medical Microbiology
- BIOL 54401 - Epigenetics
- BIOL 56100 - Immunology
- BIOL 49500 - Special Assignments
or
- BIOL 59500 - Special Assignments (Biotechnology Related)

Humanities/Social Science Electives (9 Credits)

Select (3) Humanities/Social Science Electives. Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (3) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, and WOST

EXL Elective (1 Credit)

(no minimum credit requirement)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses range from 0 to 3 credits. BIOL 21000, BIOL 34200, BIOL 48800, BIOL 48900, SCI 49100, ENGL 10500, ENGL 41401, and IDIS 10001 can be used to fulfill this requirement. Any other E X L courses are acceptable.

Free Electives (16 Credits)

Any (5) courses from the PNW curriculum are acceptable but students must complete at least one elective course at the 30000 level or higher. One free elective must be a 4 credit hour course.

Total 120 Credits Required

Biology, BS

The biological sciences are undergoing an extraordinary revolution, and the plans of study are formulated to give students a broad basis for comprehending the diverse nature of this field. Biology builds upon this knowledge and attempts to understand the complex systems that ultimately give rise to biodiversity. Our curriculum is designed so that this basic biological knowledge can readily be applied to critical practical problems in health and medicine, agriculture and the management of other renewable resources, and the nature of populations and their control.

The amount of information that is currently being discovered in the biological world is daunting, and we recognize that some students may want to focus within an area of specialization. Students begin our curriculum with a four-semester biology core. These courses provide a common knowledge base for all biology majors. The sequence begins with an overview of evolutionary, environmental, and organismal concepts, and then proceeds to examine relationships between development, structure, and function as adaptational mechanisms. The third and fourth semesters are concerned with cellular organization and function followed by genetic and molecular principles so important to modern biology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 22300 - Introductory Analysis I
or
- MA 16031 - Calculus I for Life Sciences

Natural Sciences (4 Credits)

- CHM 11500 - General Chemistry

Technology (3 Credits)

- CNIT 10700 - Computers and Software Packages
or
- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (4 Credits)

- BIOL 10100 - Introductory Biology

First-Year Experience (FYE) (1 Credit)

- BIOL 11400 - Freshman Experience
or
- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (36 Credits)

- BIOL 10200 - Introductory Biology
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- BIOL 31100 - Introduction to Evolution
or
- BIOL 58000 - Evolution
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- STAT 30100 - Elementary Statistical Methods
or
- STAT 33001 - Biostatistics
- BIOL 39300 - Preparing for Your Future in Biology

- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- BIOL 40700 - Capstone Experience
or
- BIOL 42600 - Senior Capstone

Other Required Courses (52-54 Credits)

Supplemental Core Electives (6 Credits)

(2) Supplemental Core Electives.

Biology Required Electives (8 Credits)

Choose two of the following three categories, and then choose a course from each of the chosen categories. The course not chosen in the three categories can be used to meet the General Biology Concentration Elective requirement.

Category 1:

- BIOL 21400 - Human Anatomy and Physiology II
- BIOL 30700 - Plant Physiology
- BIOL 35700 - Introductory Animal Physiology

Category 2:

- BIOL 31600 - Basic Microbiology

Category 3:

- BIOL 33300 - Ecology

Biology Electives (20 Credits)

(5) 30000 level or above biology courses are typically used to fulfill this requirement. If 20000 level courses are taken students must make sure they still meet the requirement of a minimum of 32 credits of 30000 level courses needed to graduate.

Free Electives (18-20 Credits)

Any (6) courses from the PNW curriculum are acceptable but students must complete at least 32 hours of college credit at the 30000 or higher level in order to graduate. Additional Biology credits can also fulfill this requirement and provide students with a more extensive knowledge base in their field which may be advantageous when seeking employment or pursuing further education.

Total 120 Credits Required

Biology, Ecology, BS

This concentration prepares students with knowledge in the field investigative techniques, environmental testing, wildlife management, and biodiversity tools essential to maintaining a healthy ecosystem.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
- or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (49 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- BIOL 33300 - Ecology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- CHM 32400 - Survey of Environmental Chemistry
- BIOL 58000 - Evolution
- BIOL 42600 - Senior Capstone

Other Required Courses (41 Credits)

Concentration Required Course (4 credits)

Choose one:

- BIOL 30700 - Plant Physiology
- BIOL 31600 - Basic Microbiology
- BIOL 35700 - Introductory Animal Physiology

Concentration Elective (12 Credits)

Select (4) concentration electives. Choose 9 credits from Group A and 3 credits from Group B:

Group A:

- BIOL 40500 - Conservation Biology
- BIOL 41200 - Climate Change and the Environment
- BIOL 41300 - Aquatic Ecology
- BIOL 41400 - Invasive Species Ecology
- BIOL 48800 - Biological Sciences Internship (Ecology Related EXL)
- BIOL 48900 - Biological Sciences Research (Ecology Related EXL)
- BIOL 49500 - Special Assignments
- BIOL 51605 - Environmental Microbiology
- BIOL 58700 - Biogeography
- BIOL 58800 - Plant Ecology
- BIOL 59100 - Field Ecology
- BIOL 59500 - Special Assignments (Ecology Related)
- Animal Behavior
- Ornithology
- Wetland Ecology
- Independent Study Related to Ecology

Group B:

- BIOL 30700 - Plant Physiology
- BIOL 31600 - Basic Microbiology
- BIOL 35700 - Introductory Animal Physiology
- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques
- BIOL 51801 - Biology Ethical Frontiers
- BIOL 54401 - Epigenetics

EXL Elective (1 Credit)

(no minimum credit required)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses ranges from 0 to 3 credits. BIOL 21000, BIOL 34200, BIOL 48800, BIOL 48900, SCI 49100, ENGL 10500, ENGL 41401, and IDIS 10001 can be used to fulfill this requirement. Any other E X L courses are acceptable.

Humanities/Social Sciences Electives (9 Credits)

Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (3) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Free Electives (15 Credits)

Any (5) courses from the PNW curriculum are acceptable, students must complete at least two elective courses at the 30000 level or higher.

Total 120 Credits Required

Biology, General Biology, BS

The biological sciences are undergoing an extraordinary revolution, and the plans of study are formulated to give students a broad basis for comprehending the diverse nature of this field. Biology builds upon this knowledge and attempts to understand the complex systems that ultimately give rise to biodiversity. Our curriculum is designed so that this basic biological knowledge can readily be applied to critical practical problems in health and medicine, agriculture and the management of other renewable resources, and the nature of populations and their control.

The amount of information that is currently being discovered in the biological world is daunting, and we recognize that some students may want to focus within an area of specialization. Students begin our curriculum with a four-semester biology core. These courses provide a common knowledge base for all biology majors. The sequence begins with an overview of evolutionary, environmental, and organismal concepts, and then proceeds to examine relationships between development, structure, and function as adaptational mechanisms. The third and fourth semesters are concerned with cellular organization and function followed by genetic and molecular principles so important to modern biology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (46 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- CHM 33300 - Principles of Biochemistry
- BIOL 58000 - Evolution
- BIOL 42600 - Senior Capstone

Other Required Courses (41 Credits)

Concentration Required Courses (7-8 Credits)

Choose two of the following three categories, and then choose a course from each of the chosen categories. The course not chosen can be used to meet the General Biology Concentration Elective requirement.

Category 1:

- BIOL 21400 - Human Anatomy and Physiology II
- BIOL 30700 - Plant Physiology
- BIOL 35700 - Introductory Animal Physiology

Category 2:

- BIOL 31600 - Basic Microbiology

Category 3:

- BIOL 33300 - Ecology

Biology Electives (12 Credits)

Only (4) 30000 level or above biology courses can be used to fulfill this requirement. BIOL 33000 and BIOL 34200 cannot be used to fulfill this requirement. Maximum 3 credits of independent studies/research/BIOL 48800 internship can be used to fulfill this requirement.

EXL Elective (1 Credit)

(no minimum credit requirement)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses range from 0 to 3 credits. BIOL 21000, BIOL 34200, BIOL 48800, BIOL 48900, SCI 49100, ENGL 10500, ENGL 41401, and IDIS 10001 can be used to fulfill this requirement. Any other E X L courses are acceptable.

Humanities/Social Sciences Electives (9 Credits)

Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (3) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Free Electives (15 Credits)

Any (5) courses from the PNW curriculum are acceptable, students must complete at least one elective course at the 30000 level or higher.

Total 120 Credits Required

Biology, Health Sciences, BS

Provides students with a knowledge base in order to advance to the health science professional program of their choice.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 11100 - Ethics

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (63 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- SOC 10000 - Introductory Sociology
- BIOL 21300 - Human Anatomy and Physiology I
- PHYS 22000 - General Physics
- BIOL 31600 - Basic Microbiology
- BIOL 21400 - Human Anatomy and Physiology II
- PHYS 22100 - General Physics
- BIOL 32020 - Biology of the Immune System
- CHM 33300 - Principles of Biochemistry
- FN 30300 - Essentials of Nutrition
- BIOL 42600 - Senior Capstone

Other Required Courses (27 Credits)

Health Sciences Electives (9 Credits)

Maximum 3 credits of Health Sciences related independent study/research/ internship can be used to fulfill the minimum 12 credit elective requirement. BIOL 34200 and BIOL 33000 cannot be used to fulfill this requirement. Choose 3:

- BIOL 32020 - Biology of the Immune System
- BIOL 41800 - Drugs and Disease
- BIOL 48800 - Biological Sciences Internship (Health Sciences Related) (EXL)
- BIOL 48900 - Biological Sciences Research (Health Sciences Related) (EXL)
- BIOL 49500 - Special Assignments (Health Sciences Related)
- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques
- BIOL 51601 - Food Microbiology
- BIOL 51605 - Environmental Microbiology
- BIOL 51801 - Biology Ethical Frontiers
- BIOL 52500 - Principles of Neurobiology
- BIOL 53300 - Medical Microbiology
- BIOL 54401 - Epigenetics
- BIOL 56100 - Immunology
- BIOL 56600 - Developmental Biology
- BIOL 59500 - Special Assignments (Health Sciences Related)
- Advanced Cell Biology
- Microbiota in Health & Disease
- Immune Disorder
- Biology of Cancer Cells
- Bioinformatics
- Cell and Tissue Culture
- Medical Genetics
- Virology

EXL Elective (1 Credit)

(no minimum credit requirement)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses ranges from 0 to 3 credits. ENGL 10500 can be used for this requirement. BIOL 34200 Biological Sciences Practicum (Health sciences related experience) is highly recommended. BIOL 48900 Biological Sciences Research and ENGL 41101 Introduction to Writing in the Health Sciences are also recommended. Any other E X L courses are acceptable.

Humanities/Social Sciences Electives (6 Credits)

Select (2) Humanities/Social Sciences Electives. Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (2) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Free Electives (11 Credits)

Any (4) courses from the PNW curriculum are acceptable, students must complete at least two elective courses at the 30000 level or higher.

Total 120 Credits Required

Biology, Microbiology and Immunology, BS

This program teaches students the essential techniques and knowledge necessary to contribute to advances in molecular genetics, bioinformatics, and biotechnology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (49 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 31600 - Basic Microbiology
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- BIOL 24400 - Genetics
- PHYS 22000 - General Physics
- BIOL 32020 - Biology of the Immune System
- PHYS 22100 - General Physics
- CHM 33300 - Principles of Biochemistry
- BIOL 42600 - Senior Capstone

Other Required Courses (41 Credits)

Biology/Concentration Electives (15 Credits)

Select (5) Biology/Concentration Electives. Take minimum of 6 credits from Group A and the rest from either group, a minimum of 3 credits must be of any biology courses above 30000 level excluding BIOL 33000 and BIOL 34200. A maximum of 3 credits of microbiology or immunology related research/internship/readings can be used to fulfill the 15 credit elective requirement.

Group A:

- BIOL 51601 - Food Microbiology
- BIOL 51605 - Environmental Microbiology

- BIOL 53300 - Medical Microbiology
- BIOL 49500 - Special Assignments
or
- BIOL 59500 - Special Assignments (Microbiology or Immunology Related)
- Virology, Immune Disorders, Microbiota in Health and Disease, Advanced Immunology

Group B:

- BIOL 48800 - Biological Sciences Internship (Microbiology or Immunology)
- BIOL 48900 - Biological Sciences Research (Microbiology or Immunology)
- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques
- BIOL 49500 - Special Assignments
or
- BIOL 59500 - Special Assignments
- Bioinformatics
- Cell and Tissue Culture
- Experimental Design
- Independent Studies Related to Microbiology or Immunology

EXL Elective (1 Credit)

(no minimum credit requirement)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses ranges from 0 to 3 credits. BIOL 21000, BIOL 34200, BIOL 48800, BIOL 48900, SCI 49100, ENGL 10500, ENGL 41401, and IDIS 10001 can be used to fulfill this requirement. Any other E X L courses are acceptable.

Humanities/Social Sciences Electives (9 Credits)

Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (3) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Free Electives (16 Credits)

Any courses from the PNW curriculum are acceptable, students must complete at least one elective course at the 30000 level or higher.

Total 120 Credits Required

Health Studies, BS

The health studies program provides a number of paths to students who wish to work in a health-related career but do not want to pursue nursing. Graduates are well prepared to immediately enter non-clinical occupations within the health care sector, and/or to pursue master's degrees in health and human services or doctoral level training in health services research, public health, health education and more. Additionally, for students who already hold an associate degree in a health-related field, this program has been designed with an accessible two-year degree completion track, allowing graduates to quickly earn their bachelor's and move into management and leadership roles within the industry.

Degree Requirements

PNW General Education Core (30-31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or above

Natural Sciences (3-4 Credits)

- CHM 11500 - General Chemistry
or
- CHM 11900 - General Chemistry

Technology (3 Credits)

- HST 35300 - Health Care Informatics

Humanities (3 Credits)

- PHIL 11100 - Ethics

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- GS 19100 - First-Year Experience I

Major Core (36 Credits)

- HST 20000 - Medical Terminology
- HST 34900 - Contemporary Trends in Health Care Systems
- COM 35400 - Introduction to Health Communication
- HST 35800 - Cultural Diversity in Health and Illness
- PSY 25100 - Health Psychology
- BIOL 22500 - Fundamentals of Human Pathology
- HST 30300 - Principles of Health Insurance
- PCTX 20100 - Introductory Pharmacology
- HST 33000 - Human Sexuality
- HST 21800 - Human Development and Health Promotion
- OBHR 42700 - Occupational Safety and Health
- HST 44700 - Health Studies Capstone

Other Required Courses (9 Credits)

Restricted Electives (9 Credits)

- HST 31300 - Essentials of Nutrition
- ANSC 22100 - Principles of Animal Nutrition
- PSY 20100 - Introduction to Statistics in Psychology
- SOC 38200 - Introduction to Statistics in Sociology
- STAT 30100 - Elementary Statistical Methods
- STAT 31000 - Health Care Statistics
- HST 35500 - Thanatology
- HST 37800 - Aging in a Modern Society
- PSY 36700 - Adult Development and Aging

Secondary Area of Study (44-45 Credits)

Students will take an additional 44-45 credits in a track of interest approved by their department.

Total 120 Credits Required

Bachelor of Science in Mechanical Engineering

Mechanical Engineering, BSME

At Purdue University Northwest, mechanical engineering is a four-year program of full-time study leading to a degree of Bachelor of Science in Mechanical Engineering (BSME). The course of study is preparation for a career in a constantly changing field and provides a basis for lifelong learning. Students may pursue a general program, or may choose a specialization in areas such as Thermal and Fluid Sciences, Solid Mechanics, or Mechatronics (the later leading to a minor). The BSME degree is accredited by the Engineering Accreditation Commission of ABET. The Mechanical Engineering curriculum provides a broad education in the fundamentals of Mechanical Engineering. Students may pursue a general program or may choose a specialization in areas such as Thermal and Fluid Sciences, solid Mechanics, or Mechatronics.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II
or
- COM 30700 - Written and Oral Communication for Engineers if available
or
- ENGL 30700 - Written and Oral Communication for Engineers if available

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (4 Credits)

- CHM 11500 - General Chemistry

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 11100 - Ethics
or
- PHIL 32400 - Ethics for the Professions if available

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- ENGR 18600 - First Year Seminar for Engineers

Additional Credits (4 Credits)

- PHYS 15200 - Mechanics

Major Core (90 Credits)

- ENGR 19000 - Elementary Engineering Design
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- ME 11500 - Engineering Drawing I
- ME 11600 - Engineering Drawing II
- ME 27100 - Basic Mechanics I (Statics)
- CE 27300 - Mechanics of Materials
- ME 27500 - Basic Mechanics II (Dynamics)
- ME 30500 - General Thermodynamics I
- ME 31100 - Engineering Economics and Project Management
- ME 31200 - Fluid Mechanics
- ME 31300 - Fluid Mechanics Laboratory
- ME 32000 - Kinematic Analysis and Design

- ME 32500 - Dynamics of Physical Systems
- ME 34500 - Mechanical Engineering Experimentation
- ME 41600 - Heat Transfer
- ME 42900 - Senior Engineering Design I
- ME 43900 - Senior Engineering Design II
- ME 41700 - Heat Transfer Laboratory
- ME 46100 - Machine Design I
- MSE 20000 - Materials Science
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- MA 26400 - Differential Equations
- PHYS 26100 - Electricity and Optics

Mechanical Engineering Electives (12 Credits)

Any four of the following:

- ME 30600 - General Thermodynamics II
- ME 40400 - Finite Element Analysis
- ME 42600 - Heating and Air Conditioning Analysis
- ME 48500 - Linear Control Systems
- ME 48600 - Introduction to Manufacturing Engineering
- MSE 34400 - Materials in Engineering

Engineering Elective (3 Credits)

- Any Engineering (CE, ECE, ME, or MSE) course 30000 level or above.
- ECE 20200 - Linear Circuit Analysis II
- Any course 48900 or above must receive advisor approval.

Any Humanities or Social Science Course (3 Credits)

Total 120 Credits Required

Master of Science

Biology, MS

The biological sciences department offers a MS in Biology with both Thesis and Non-Thesis Options. Courses are available in biotechnology, molecular and cellular biology, microbiology, human biology, and ecology. Graduate level elective courses are offered in the Fall, Spring, and Summer semesters, making it possible to graduate with a non-thesis option in just three semesters.

A diverse course schedule accommodates both full-time and part-time students. Our MS degree program provides an exceptional opportunity for professional development as well as a bridge to doctoral or health professional programs.

Degree Requirements and Plan of Study

A plan of study should be submitted to the Graduate School shortly after acceptance into the program. A Graduate Advisory Committee will work closely with the student to design a program suited to the student's needs.

Non-Thesis Option

Twenty-nine credits in formal courses and special assignments (independent study, research and reading) and one credit in seminar. The special assignment credits (independent study, research and reading) cannot exceed six; and the reading credits cannot exceed three. Of the total of thirty credits, twenty-one credits must in the primary area of biology at 50000 and 60000 levels and 9 credits in supporting areas. The supporting areas include biology (outside of the primary area), statistics, computer science, mathematics, education, chemistry, and physics. For example, students interested in biology teaching would choose education courses for the supporting area. Up to six credits can be taken from 40000-level formal courses as a part of the supporting area requirement. Students exercising this option must pass a written comprehensive exam for the degree.

Thesis Option

Fifteen credits in formal courses, one credit in seminar, and up to 14 credits in thesis research. Up to three credits of thesis research can be substituted by special assignment (independent study, research and reading). Of the total of thirty credits, twenty-one credits must in the primary area of biology at 50000 and 60000 levels and nine credits in supporting areas. The supporting areas include biology (outside of the primary area), statistics, computer science, mathematics, chemistry, and physics. Up to six credits can be taken from 40000-level formal courses as a part of the supporting area requirement. Students exercising this option must submit a formal research proposal, conduct the research, write a thesis, and pass an oral defense before a faculty committee.

Required Cumulative Index

GPA of 3.0 or higher. A grade of "B-" or better is required in all courses in the primary area. The degree must be completed in 10 semesters within 5 years.

Transfer of Credit

A maximum of 9 credits taken from other accredited institutions completed within 10 years prior to completion of degree program may be accepted for supporting area. Only credit hours associated with graduate courses for which grades of B- or better were obtained will be eligible for transfer.

Total 30 Credits Required

Combined

Biological Sciences, BS/MS

Students graduating from this combined program may receive both the Bachelor of Science and Master of Science degrees in Biological Sciences in five years, as compared to the six years needed to complete the degrees separately. This is accomplished by offering a supervised and seamless transition from the Bachelor of Science curriculum to the Master of Science curriculum that is designed to better enable our graduates to prepare for competitive positions in today's job market and/or admission to doctoral level graduate or professional schools.

Degree Requirements

Students may apply for admission to the program in their third year and will be carefully evaluated to ensure that they meet all university graduation requirements, including the completion of at least 32 credit hours at the 30000-level or above, for a Bachelor of Science degree. The Bachelor of Science/Master of Science combined curriculum consists of all required courses for the Bachelor of Science in Biological Sciences, including the biology core courses (18 credits), biology concentration required courses (7-8 credits), biology electives (a minimum of 12-14 credits of 30000 level or above), as well as all of the current graduate course requirements of the traditional Master's program.

The requirements for admission to the combined program are more stringent than the admission standards for the traditional Master of Science program. Students are required to maintain a minimum 3.25 GPA for the first 80 credit hours of course work and a grade of B- or higher in all biology basic core courses in the plan of study, in order to be conditionally admitted. Final admission to the graduate program requires that the student has a minimum 3.25 overall GPA, a minimum 3.25 GPA in all biology basic core courses, and receives a B- or higher grade in each of the graduate courses taken during his/her senior year. However, the application requirement of the traditional Master of Science program to take the GRE is waived.

The total credit hours required for this combined degree program will be 141 for those students awarded both Bachelor of Science and Master of Science degrees. The traditional Bachelor of Science in Biological Sciences requires 120 hours and the Master of Science in Biological Sciences requires 30 hours, for a total of 150 hours. The combined program allows an overlap of 9 credit hours, thereby reducing the number of required hours to 141 and making it possible for qualified students to complete both degrees in five years. The graduate portion of the combined program offers both thesis and non-thesis options. The combined program allows students to receive the Bachelor of Science degree first upon completion of the undergraduate curriculum and the Master of Science degree later upon completion of the graduate plan of study. Students can choose to leave the combined program during the graduate portion of their study and still be eligible to receive the Bachelor of Science degree.

Total 141 Credits Required

Graduate Certificate

Biotechnology Graduate Certificate

This post-baccalaureate Biotechnology Certificate provides students theoretical as well as laboratory training in molecular biology, genetic engineering, and related technologies which can be applied to a variety of biological fields. The certificate is awarded after successful completion of 6 credits of required courses and a minimum 10 credits of elective courses related to biotechnology. This program offers exceptional opportunities for individuals with a BS degree in a biological science to expand their career opportunities. Courses taken to fulfill the certificate requirements may also be applied toward the MS degree in Biology.

Plan of Study

A Plan of Study for the Graduate Biotechnology Certificate Program (GS Form 6) must be completed and approved by the Advisory Committee and the Graduate Coordinator one semester prior to the completion of the certificate program.

Certificate Requirements

Required Courses (6 Credits)

- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques

Elective Courses (10 Credits Minimum)

- BIOL 52500 - Principles of Neurobiology
- BIOL 53300 - Medical Microbiology
and
- BIOL 53400 - Laboratory in Medical Microbiology
- BIOL 56100 - Immunology
- BIOL 56600 - Developmental Biology
- BIOL 59500 - Special Assignments – Biotechnology related topics include but not limited to: Bioinformatics - Credits Hours: 3.00 Environmental Microbiology - Credits Hours: 3.00 Food Microbiology - Credits Hours: 5.00 Research - Credits Hours: variable

Total 16 Credits Required

Department of Chemistry and Physics

Bachelor of Science

General Physical Sciences, BS

General Physical Sciences trains students through a multi-disciplinary approach to solve complex problems that require knowledge and techniques from a variety of disciplines.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I
or
- MA 16031 - Calculus I for Life Sciences

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (22 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- MA 16400 - Integrated Calculus Analysis Geometry II
- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics
- BIOL 10100 - Introductory Biology

- CHM 29400 - Sophomore Chemistry Seminar
- CHM 49800 - Research in Chemistry (2) (e)
- CHM 49400 - Junior-Senior Chemistry Seminar

Other Required Courses (66 Credits)

Free Electives (30 Credits)

Select (10) free electives.

Departmental Electives (21 Credits)

(A minimum of 7 credit hours must be at the 30000 level or above.) ASTR (any course); CHM (any course 20000 or higher); EAS (any course); FIS (any course); PHYS (any course 20000 or higher); SCI, any course from the following:

- SCI 10601 - Food Chemistry
- SCI 12200 - Origin of the Universe
- SCI 13100 - Science and Environmental Issues
- SCI 14000 - Introduction to Forensic Science
- SCI 15000 - Brewing Science
- SCI 20200 - Environmental Science
- SCI 22000 - Health and Safety

CES Electives (12 Credits)

Select (4) CES electives: ASTR (any course); BIOL (any course excluding BIOL 10008, 10010, and BIOL 10700); CHM (any course 20000 or higher); CE (any course); CS (any course excluding CS 10000); EAS (any course); ECE (any course); ENGR (any course excluding 11000, ENGR 18600); FIS (any course); MSE (any course); MA (any course 20000 or higher excluding MA 23700, MA 23800, and MA 23900); ME (any course); PHYS (any course 20000 or higher); STAT (any course 20000 or higher); and SCI, any course from the following:

- SCI 10601 - Food Chemistry
- SCI 12200 - Origin of the Universe
- SCI 13100 - Science and Environmental Issues
- SCI 14000 - Introduction to Forensic Science
- SCI 15000 - Brewing Science
- SCI 20200 - Environmental Science
- SCI 22000 - Health and Safety

General Education Elective (3 Credits)

Total 120 Credits Required

Students who choose to take MA 16031, MA 16032, PHYS 22000, and PHYS 22100 will need to take an additional five (5) credits in free electives to meet the 120 credit hour requirement.

General Physical Sciences, Environmental Science, BS

Provides the chemical and physical training needed for students to work in environmental monitoring and remediation, global policy, or meteorology and oceanography.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (2 Credits)

Any Gen Ed approved course

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (73 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- SCI 13100 - Science and Environmental Issues
- EAS 11000 - Survey of Geology
- EAS 22000 - Survey of Physical Geography
- ECON 21000 - Principles of Economics
- SCI 20200 - Environmental Science

- MA 16032 - Calculus II for Life Sciences
or
- MA 16400 - Integrated Calculus Analysis Geometry II

- BIOL 10100 - Introductory Biology
- CHM 26505 - Organic Chemistry
- CHM 26300 - Organic Chemistry Laboratory
- PHYS 22000 - General Physics
- SCI 22000 - Health and Safety
- CHM 29400 - Sophomore Chemistry Seminar
- CHM 26605 - Organic Chemistry
- CHM 26400 - Organic Chemistry Laboratory
- PHYS 22100 - General Physics
- BIOL 10200 - Introductory Biology
- CHM 32100 - Analytical Chemistry I
- CHM 32400 - Survey of Environmental Chemistry
- CHM 42400 - Analytical Chemistry II
- BIOL 33300 - Ecology
- STAT 30100 - Elementary Statistical Methods
- ECON 31100 - Environmental Economics
- CHM 49800 - Research in Chemistry (2) (e)
- BIOL 31600 - Basic Microbiology
- CHM 49400 - Junior-Senior Chemistry Seminar

Other Required Courses (15 Credits)

Restricted Electives (12 Credits)

Choose (4) from:

- CHM 33300 - Principles of Biochemistry (see note 1 regarding prerequisites)
- BIOL 40500 - Conservation Biology
- BIOL 41300 - Aquatic Ecology
- BIOL 41400 - Invasive Species Ecology
- EAS 22200 - Weather Studies
- EAS 22300 - Ocean Studies
- ENGL 22000 - Technical Report Writing
- POL 22100 - Introduction to Science and Government
- POL 22300 - Introduction to Environmental Policy
- POL 30500 - Technology and Society
- Additional courses may be used with advisor permission.

Free Elective (3 Credits)

Total 120 Credits Required

General Physical Sciences, Forensic Science, BS

Students are taught how to analyze crime scenes, perform ballistic and fingerprint comparisons, and learn how to maintain a proper chain of evidence and testify in a courtroom, in order to support modern criminal investigations.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I
or
- MA 16031 - Calculus I for Life Sciences

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

- PHIL 11100 - Ethics

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

Any Gen Ed approved course

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (63 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- MA 16032 - Calculus II for Life Sciences
- or
- MA 16400 - Integrated Calculus Analysis Geometry II

- SCI 14000 - Introduction to Forensic Science
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- BIOL 10100 - Introductory Biology
- CHM 26505 - Organic Chemistry
- CHM 26300 - Organic Chemistry Laboratory
- CHM 26605 - Organic Chemistry
- CHM 26400 - Organic Chemistry Laboratory
- CHM 29400 - Sophomore Chemistry Seminar
- SCI 22000 - Health and Safety

- BIOL 10200 - Introductory Biology
- CRJU 15000 - Introduction to the Criminal Justice System
- STAT 30100 - Elementary Statistical Methods
- CHM 33300 - Principles of Biochemistry
- PSY 35000 - Abnormal Psychology
- CHM 32100 - Analytical Chemistry I
- CHM 49800 - Research in Chemistry (2) (e)
- BIOL 22400 - Anatomy and Physiology Practicum II
- CHM 49400 - Junior-Senior Chemistry Seminar
- CHM 42400 - Analytical Chemistry II
- CRJU 32400 - Criminology

Other Required Courses (24 Credits)

CES Elective (3 Credits)

ASTR (any course); BIOL (any course excluding BIOL 10008, 10010, and BIOL 10700); CHM (any course 20000 or higher); CE (any course); CS (any course excluding CS 10000); EAS (any course); ECE (any course); ENGR (any course excluding 11000, ENGR 18600); FIS (any course); MSE (any course); MA (any course 20000 or higher excluding MA 23700, MA 23800, and MA 23900); ME (any course); PHYS (any course 20000 or higher); STAT (any course 20000 or higher); and SCI, any course from the following:

- SCI 10601 - Food Chemistry
- SCI 12200 - Origin of the Universe
- SCI 13100 - Science and Environmental Issues
- SCI 14000 - Introduction to Forensic Science
- SCI 15000 - Brewing Science
- SCI 20200 - Environmental Science
- SCI 22000 - Health and Safety

Restricted Electives (12 Credits)

Choose (4): CHM (any course excluding CHM 10000, CHM 11100, CHM 11200, and CHM 19400), PHYS (any course 20000 or higher), or forensics oriented SCI course. See program advisor for a list of available courses.

Free Electives (9 Credits)

Choose (3) free electives.

Total 120 Credits Required

Medical Laboratory Science, BS

(Formerly, Medical Technology)

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (36 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 31600 - Basic Microbiology
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- BIOL 24400 - Genetics
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- CHM 33300 - Principles of Biochemistry
- BIOL 56100 - Immunology
- BIOL 42600 - Senior Capstone
- BIOL 34200 - Biological Science Practicum

Other Required Courses (41 Credits)

Biology Elective (6 Credits)

Biology elective courses for Medical Technology majors range from 3 to 5 credits. Choose (2) courses from the following:

- BIOL 35700 - Introductory Animal Physiology - may be replaced by BIOL 21400. However, BIOL 21300, a prerequisite of BIOL 21400, is not counted as a biology elective to meet this requirement.
- BIOL 41800 - Drugs and Disease
- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques
- BIOL 51601 - Food Microbiology
- BIOL 53300 - Medical Microbiology
- BIOL 59500 - Special Assignments - Cell and Tissue Culture
- BIOL 59500 - Special Assignments - Virology
- or courses approved by the department.

Clinical Training (32 Credits)

Two semesters of Clinical Training are completed in one of the affiliated hospitals - St. Margaret Mercy Health Care Centers, North Campus (Hammond, IN), OSF Saint Francis Medical Center (Peoria, IL), or Hines VA Hospital (Hines, IL). Students must be eligible to work legally in US to participate in clinical training at the affiliated hospitals. For acceptance into a clinical program: overall 2.5 GPA and a minimum of 2.5 GPA in the sciences. Completion of prerequisite courses at Purdue University Northwest does not guarantee admission to an affiliated hospital program. Consult your advisor for application procedure.

Humanities or Social Science Elective (3 Credits)

Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. The Department accepts Social Sciences Elective courses with the following subject codes: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Total 120 Credits Required

Physics, BS

Physics describes everything around us. This program helps students identify and apply the basic principles that govern our world.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

English Composition Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (9 Credits)

- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics

Technology (3 Credits)

- CS 12300 - Programming I: Java

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- PHYS 19400 - Freshman Physics Orientation

Major Core (53 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- PHYS 29400 - Sophomore Physics Seminar
- PHYS 34200 - Modern Physics
- PHYS 34300 - Modern Physics Laboratory
- MA 26400 - Differential Equations
- PHYS 31100 - Quantum Physics I
- PHYS 33000 - Intermediate Electricity And Magnetism
- MA 26500 - Linear Algebra
- PHYS 49400 - Junior-Senior Physics Seminar
- CS 12400 - Programming II: C++
- PHYS 31000 - Intermediate Mechanics
- PHYS 40200 - Senior Research I (e)
- PHYS 38000 - Advanced Physics Laboratory
- PHYS 40300 - Senior Research II (e)
- PHYS 41800 - Thermal and Statistical Physics

Other Required Courses (34 Credits)

CES Electives (9 Credits)

ASTR (any course); BIOL (any course excluding BIOL 10008, 10010, BIOL 10700); CHM (any course excluding CHM 10000, CHM 11100, CHM 11200, CHM 19400); CE (any course); CS (any course excluding CS 10000); EAS (any course); ECE (any course); ENGR (any course excluding 11000, ENGR 18600); MSE (any course); MA (any course 30000 or higher excluding MA 23700, MA 23800, and MA 23900); ME (any course); PHYS (any course 30000 or higher); SCI (any course excluding SCI 10300, SCI 10400, SCI 10500, SCI 11200, SCI 11300, SCI 11400, SCI 20200 and SCI 31500); and STAT (any course 30000 or higher).

Physics Electives (15 Credits)

Engineering Physics Concentration: Also allowed with permission are

- MSE 20000 - Materials Science
- ECE 21800 - Linear Circuits Laboratory II
- ECE 20100 - Linear Circuit Analysis I
- ECE 23300 - Microcomputers in Engineering
- ECE 20700 - Electronic Measurement Techniques
- ECE 27500 - Analog and Digital Electronics
- ECE 20200 - Linear Circuit Analysis II
- ME 30500 - General Thermodynamics I
- CS 27500 - Data Structures
- CS 22300 - Computer Architecture and Assembly Language
- CS 30200 - Operating Systems

Free Electives (10 Credits)

Total 120 Credits Required

Physics, Computational Physics, BS

Provides students with a strong background in theoretical physics while teaching the necessary skills to use the computer as a problem solving device.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (9 Credits)

- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics

Technology (3 Credits)

- CS 12300 - Programming I: Java

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- PHYS 19400 - Freshman Physics Orientation

Major Core (74 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- MA 26500 - Linear Algebra
- PHYS 29400 - Sophomore Physics Seminar
- PHYS 34200 - Modern Physics
- PHYS 34300 - Modern Physics Laboratory
- MA 26400 - Differential Equations
- CS 12400 - Programming II: C++
- PHYS 31100 - Quantum Physics I
- PHYS 33000 - Intermediate Electricity And Magnetism
- PHYS 30800 - Scientific Computation
- CS 27500 - Data Structures
- MA 37700 - Computational Mathematics I
- PHYS 49400 - Junior-Senior Physics Seminar
- PHYS 30900 - Scientific Computation II
- MA 37800 - Computational Mathematics II
- PHYS 31000 - Intermediate Mechanics
- PHYS 40200 - Senior Research I (e)
- CS 33200 - Algorithms
- PHYS 38000 - Advanced Physics Laboratory

- PHYS 40300 - Senior Research II (e)
- PHYS 41800 - Thermal and Statistical Physics
- MSV 56700 - Simulation Techniques

Other Required Courses (13 Credits)

Physics Electives (9 Credits)

Any (3) Physics course 30000 level or higher.

Free Electives (4 Credits)

Total 120 Credits Required

Physics, Engineering Physics, BS

Students combine the basic principles of physics with the applied nature of engineering in order to identify underlying physical relationships and merge them with engineering processes and techniques.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (9 Credits)

- PHYS 15200 - Mechanics

- PHYS 25100 - Heat, Electricity and Optics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers
or
- CS 12300 - Programming I: Java

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- PHYS 19400 - Freshman Physics Orientation

Major Core (69 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- ME 27100 - Basic Mechanics I (Statics)
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- PHYS 29400 - Sophomore Physics Seminar
- PHYS 34200 - Modern Physics
- PHYS 34300 - Modern Physics Laboratory
- MA 26400 - Differential Equations
- ME 27500 - Basic Mechanics II (Dynamics)
- PHYS 31100 - Quantum Physics I
- PHYS 33000 - Intermediate Electricity And Magnetism
- MA 26500 - Linear Algebra
- ECE 15200 - Programming for Engineers
- PHYS 49400 - Junior-Senior Physics Seminar
- ME 30500 - General Thermodynamics I
- MSE 20000 - Materials Science
- PHYS 31000 - Intermediate Mechanics
- PHYS 40200 - Senior Research I (e)

- PHYS 38000 - Advanced Physics Laboratory
- PHYS 40300 - Senior Research II (e)
- PHYS 41800 - Thermal and Statistical Physics

Other Required Courses (18 Credits)

Engineering Electives (11 Credits)

Choose (3) from:

- CE 27300 - Mechanics of Materials
- ECE 27500 - Analog and Digital Electronics
- ECE 33500 - Electronics-Systems
- ECE 37000 - Digital Systems-Logic Design
- ME 31200 - Fluid Mechanics
- ME 31300 - Fluid Mechanics Laboratory
- ME 41600 - Heat Transfer
- Other CE, ECE, ENGR, ME or MSE courses can be substituted with an advisor's permission.

Mechanical Engineering Specialization

Students pursuing a Mechanical Engineering specialization should take:

- CE 27300 - Mechanics of Materials
- ME 31200 - Fluid Mechanics
- ME 31300 - Fluid Mechanics Laboratory
- ME 41600 - Heat Transfer

Electrical Engineering Specialization

Students pursuing an Electrical Engineering specialization should take:

- ECE 27500 - Analog and Digital Electronics
- ECE 33500 - Electronics-Systems
- ECE 37000 - Digital Systems-Logic Design

Physics Elective (3 Credits)

Any Physics course 30000 level or higher

Free Electives (4 Credits)

Total 120 Credits Required

Physics, Nuclear Science, BS

This program provides students with the knowledge that they need to be thoroughly prepared for a career in Nuclear Science and complete the first step in a pipeline that culminates in a Master's degree in Nuclear Engineering from Purdue University in West Lafayette.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (9 Credits)

- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers
- CS 12300 - Programming I: Java
- CIS 16600 - Introduction to Programming

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- PHYS 19400 - Freshman Physics Orientation

Major Core (80 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- PHYS 29400 - Sophomore Physics Seminar
- PHYS 34200 - Modern Physics
- PHYS 34300 - Modern Physics Laboratory
- MA 26400 - Differential Equations
- ME 30500 - General Thermodynamics I
- PHYS 31100 - Quantum Physics I
- PHYS 33000 - Intermediate Electricity And Magnetism
- PHYS 30800 - Scientific Computation
- ME 31200 - Fluid Mechanics
- ME 31300 - Fluid Mechanics Laboratory
- PHYS 49400 - Junior-Senior Physics Seminar
- PHYS 47000 - Special Topics in Physics - Nuclear Power
- CS 12400 - Programming II: C++
- MA 26500 - Linear Algebra
- PHYS 31000 - Intermediate Mechanics
- PHYS 40200 - Senior Research I (e)
- PHYS 47000 - Special Topics in Physics - Nuclear Physics
- PHYS 38000 - Advanced Physics Laboratory
- PHYS 40300 - Senior Research II (e)
- PHYS 41800 - Thermal and Statistical Physics
- ME 41600 - Heat Transfer
- ME 41700 - Heat Transfer Laboratory
- PHYS 47000 - Special Topics in Physics - Neutron Physics

Other Required Courses (7 Credits)

Physics Elective (3 Credits)

Any Physics course 30000 level or higher

Free Electives (4 Credits)

Total 120 Credits Required

Bachelor of Science in Chemistry

Chemistry, BSCH

The study of the structure and interactions of basic molecules that form all matter. Students learn about the basic molecules that form the earth, living creatures, and man-made products.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (4 Credits)

- CHM 11500 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (4 Credits)

- CHM 11600 - General Chemistry

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (56 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 26505 - Organic Chemistry 1
- CHM 26300 - Organic Chemistry Laboratory 1
- CHM 26605 - Organic Chemistry 2
- CHM 26400 - Organic Chemistry Laboratory 2
- CHM 29400 - Sophomore Chemistry Seminar
- CHM 32100 - Analytical Chemistry I
- CHM 33300 - Principles of Biochemistry
- CHM 34200 - Inorganic Chemistry
- CHM 34201 - Inorganic Chemistry Laboratory
- CHM 37300 - Physical Chemistry 1
- CHM 37400 - Physical Chemistry 2
- CHM 37600 - Physical Chemistry Laboratory
- CHM 42400 - Analytical Chemistry II
- CHM 49400 - Junior-Senior Chemistry Seminar
- CHM 49800 - Research in Chemistry (2) (e)
- SCI 22000 - Health and Safety
- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus

Other Required Courses (32 Credits)

Free Electives (32 Credits)

Select (11) free electives. At least 5 credit hours of Free Electives must be 30000 level or higher.

Total 120 Credits Required

Chemistry, Materials Science, BSCH

Teaches students how to discover and design new materials that will change engineering and technology significantly in the future.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (69 Credits)

- MA 16400 - Integrated Calculus Analysis Geometry II
- PHYS 15200 - Mechanics
- CHM 26505 - Organic Chemistry 1
- CHM 26300 - Organic Chemistry Laboratory 1
- MA 26100 - Multivariate Calculus
- PHYS 25100 - Heat, Electricity and Optics
- CHM 26605 - Organic Chemistry 2
- CHM 26400 - Organic Chemistry Laboratory 2
- CHM 29400 - Sophomore Chemistry Seminar
- SCI 22000 - Health and Safety
- MSE 20000 - Materials Science
- CHM 37300 - Physical Chemistry 1
- CHM 34200 - Inorganic Chemistry
- CHM 34201 - Inorganic Chemistry Laboratory
- MSE 34400 - Materials in Engineering
- CHM 33300 - Principles of Biochemistry
- CHM 37400 - Physical Chemistry 2
- CHM 37600 - Physical Chemistry Laboratory
- CHM 46000 - Catalysis
- CHM 32100 - Analytical Chemistry I
- CHM 35000 - Coatings and Resins
- CHM 49400 - Junior-Senior Chemistry Seminar
- CHM 42400 - Analytical Chemistry II
- CHM 46400 - Polymer Chemistry
- CHM 46401 - Polymer Chemistry Lab

Other Required Courses (19 Credits)

- CHM 49800 - Research in Chemistry €

Free Electives (16 Credits)

Select (6) free electives. At least 5 credit hours of Free Electives must be 30000 level or higher.

Total 120 Credits Required

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

Department of Mathematics, Statistics, and Computer Sciences

Bachelor of Science

Computer Science, BS

The program teaches students to expand the frontiers of computer science by applying computational principles to technical and societal problems. This includes developing new software, managing information databases and creating graphical solutions to help engineers and scientists visualize the physical and biological world.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (3 Credits)

Any Gen Ed Natural Science with Lab

Technology (3 Credits)

- CS 12300 - Programming I: Java

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (3 Credits)

Any Gen Ed Course

First-Year Experience (FYE) (3 Credits)

- CS 10000 - An Introduction to Computer Science

Major Core (54 Credits)

- CS 12400 - Programming II: C++
- MA 16400 - Integrated Calculus Analysis Geometry II
- CS 22300 - Computer Architecture and Assembly Language
- CS 27500 - Data Structures
- MA 26100 - Multivariate Calculus
- CS 30200 - Operating Systems
- CS 30900 - Discrete Mathematical Structures
- MA 26500 - Linear Algebra
- CS 31600 - Programming Languages
- CS 33200 - Algorithms
- CS 41600 - Software Engineering
- CS 45500 - Interactive Computer Graphics
- STAT 34500 - Statistics
- CS 42000 - Senior Design Project
- CS 44200 - Database Systems
- CS 40400 - Distributed Systems
- CS 41000 - Automata and Computability

Other Required Courses (34 Credits)

Electives (24 Credits)

Any MA, STAT or CS course elective must be MA 26400 or CS 20600 or a MA, STAT, or CS course at the 30000-level or above.

Science with Lab (3-4 Credits)

Natural Science Elective (3-4 Credits)

Experiential Learning Elective (2-4 Credits)

Total 120 Credits Required

Mathematics, BS

This program provides students the opportunity to work with peers and talented faculty on research projects that fits their talents and interest. This includes pure and applied mathematics and statistics, and joint projects with peers and colleagues in the engineering and science disciplines.

Degree Requirements

PNW General Education Core (33-35 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (6-8 Credits)

Two Science courses with Lab

Technology (3 Credits)

- CS 20600 - Computer Algebra and Programming

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (3 Credits)

Select from any Core list except FYE

First-Year Experience (FYE) (1 Credit)

- MA 10000 - An Introduction to Mathematical Sciences

Major Core (30 Credits)

- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- CS 20600 - Computer Algebra and Programming
- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- MA 37700 - Computational Mathematics I
- MA 34800 - Discrete Mathematics
- STAT 34500 - Statistics
- MA 33000 - Concepts in Geometry

Other Required Courses (54-57 Credits)

Math Major Electives (9 Credits)

Three courses must be selected from an Approved List of 30000 / 40000 level mathematics and statistics courses. Currently the approved list of Mathematics Major Electives consists of:

- MA 37800 - Computational Mathematics II
- MA 31500 - Introduction to Abstract Mathematics - Also, is a prerequisite for MA 44600 and MA 45300.

- MA 44600 - Introduction to Real Analysis
- MA 45300 - Elements of Algebra I
- MA 47200 - Introduction to Applied Mathematics
- STAT 40001 - Statistical Computing
- STAT 43000 - Applied Statistics

Science Elective (3-4 Credits)

Students may choose from natural science courses in consultation with academic advisor.

Selected Area Electives (18 Credits)

Mathematics majors must choose an 18 credit hour Selected Area (which may be a Minor). At least 3 courses in the Selected Area must be beyond the introductory level (20000 level or above).

Approved Electives (18 Credits)

Students must see their academic advisor for acceptable courses to fulfill this requirement. These courses are used to support career development, strengthening their Selected Area, etc.

Experiential Learning or Other Approved Electives (6-8 Credits)

Students may choose from the list of Experiential Learning Courses or other Approved Electives. Experiential Learning Courses may include undergraduate research approved by the department and/or Undergraduate Teaching Assistantships (UTA)

Total 120 Credits Required

Mathematics, Secondary Teaching, BS

Students in this concentration earn a degree in Mathematics. The Secondary Education program is delivered collaboratively with Purdue University Northwest's School of Education and designed for those interested in teaching in middle and high schools.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (4 Credits)

Any Gen Ed Science with Lab

Technology (3 Credits)

- CS 20600 - Computer Algebra and Programming

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (3 Credits)

Select from any Gen Ed Core list except FYE

First-Year Experience (FYE) (1 Credit)

- MA 10000 - An Introduction to Mathematical Sciences

Major Core (69 Credits)

- EDFA 20000 - History and Philosophy of Education
- MA 16400 - Integrated Calculus Analysis Geometry II
- EDPS 22000 - Psychology of Learning
- MA 26100 - Multivariate Calculus
- EDPS 26000 - Introduction to Special Education
- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- EDCI 35500 - Teaching and Learning K-12 Classroom

- MA 37700 - Computational Mathematics I
- MA 33000 - Concepts in Geometry
- MA 34800 - Discrete Mathematics
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- MA 31500 - Introduction to Abstract Mathematics
- STAT 34500 - Statistics
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- MA 45300 - Elements of Algebra I
- EDCI 34400 - Strategies of Mathematics Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49700 - Supervised Teaching

Other Required Courses (20 Credits)

Science Electives (6-8 Credits)

Choose any two Science courses, one must have a Lab component.

Mathematics Major Elective (3 Credits)

MA 31500 is prerequisite for MA 44600 and MA 45300. Mathematics majors in the Secondary Teaching Concentration must take MA 31500 and MA 45300 to prepare for the state licensure exam.

- MA 37800 - Computational Mathematics II
- MA 31500 - Introduction to Abstract Mathematics
- MA 44600 - Introduction to Real Analysis
- MA 45300 - Elements of Algebra I
- MA 47200 - Introduction to Applied Mathematics
- STAT 40001 - Statistical Computing

Electives (9-12 Credits)

See an academic advisor for acceptable courses to fulfill this requirement.

Total 120 Credits Required

Master of Science

Computer Science, MS

The Master of Science in Computer Science integrates fundamental theoretical concepts with sophisticated practical applications. Graduates will be prepared for employment in the field, and, for those students who are so interested, for further studies in computer science. Students must have the necessary prerequisite knowledge to undertake the study of advanced computer science topics.

Special Program Requirements

1. No more than six credits of coursework with a grade of 'C.' "B" average must be maintained.
2. All courses taken as a temporary student must post grades of "A" or "B".
3. Plan of Study submitted to Student Advisory Committee before the end of nine semester credits; must be approved by the Graduate School before the student registers for the semester in which the degree is to be awarded.
4. No more than three courses accepted from other institutions may be used on a Plan of Study. Please refer to the section on graduate study for other regulations governing graduate study at Purdue Calumet.

Degree Requirements

Core Courses (9 Credits)

- CS 59000 - Topics in Computer Sciences (Compiling and Programming Systems)
- CS 59000 - Topics in Computer Sciences (Operating Systems)
- CS 59000 - Topics in Computer Sciences (Algorithm Design, Analysis, and Implementation)

Electives (21 Credits)

7 approved courses at the graduate level

Total 30 Credits Required

Mathematics, MS

Mathematics, MS

The Master of Science in Mathematics is designed to provide students with a course of study that will enhance their knowledge of the fundamental areas of the mathematical sciences. The elective courses allow each student to add the emphasis which most fits with that student's academic and career plans.

Special Program Requirements

1. No more than six credits of coursework with grade of "C." "B" average must be maintained.
2. All courses taken as a temporary student must post grades of "A" or "B."
3. Plan of Study submitted to Student's Advisory Committee before the end of nine semester credits; must be approved by the Graduate School before the student registers for the semester in which the degree is to be awarded.

Degree Requirements

Core Courses

- MA 52500 - Introduction to Complex Analysis
- MA 54000 - Analysis I
- MA 54100 - Analysis II
- MA 55300 - Introduction to Abstract Algebra
- MA 55400 - Linear Algebra

Statistics

One approved course

Approved Electives

(5 courses)

Up to six credits may be chosen from approved courses in other departments.

Transfer of Credit

No more than three courses accepted from other institutions.

Total 33 Credits Required

School of Engineering

School of Engineering, Department of Electrical and Computer Engineering

Bachelor of Science in Engineering

Interdisciplinary Engineering, BSE

The interdisciplinary engineering option provides an opportunity for students whose interests and talents, while oriented toward engineering and science, do not coincide with the plans of study of the traditional engineering disciplines and who do not need an

ABET-accredited degree. It provides an excellent undergraduate foundation for graduate school in non-engineering fields such as management, medicine, and law, or to begin careers that may lead to administrative or management positions in technological, engineering, or manufacturing operations. The program also prepares students for careers in large non-technological organizations such as financial institutions, which may require skills generally associated with both engineering and business. The program provides opportunities to tailor the large number of technical electives to the students' particular needs. The program is not ABET accredited.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- PHYS 15200 - Mechanics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- ENGR 18600 - First Year Seminar for Engineers

Major Core (63 Credits)

- ENGR 19000 - Elementary Engineering Design
- MA 16400 - Integrated Calculus Analysis Geometry II
- ME 11500 - Engineering Drawing I
- MA 26100 - Multivariate Calculus
- PHYS 26100 - Electricity and Optics
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques

- CE 27100 - Basic Mechanics I
or
- ME 27100 - Basic Mechanics I (Statics)

- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- ECE 20200 - Linear Circuit Analysis II

- CE 27500 - Basic Mechanics II (Dynamics)
or
- ME 27500 - Basic Mechanics II (Dynamics)

- ME 30500 - General Thermodynamics I

- ECE 30100 - Signals and Systems
or
- ME 32500 - Dynamics of Physical Systems

- ECE 31200 - Engineering Economics and Project Management
- ECE 15200 - Programming for Engineers

- ECE 38400 - Linear Control Systems
or
- ME 48500 - Linear Control Systems

- ECE 23300 - Microcomputers in Engineering
- MSE 20000 - Materials Science

- CE 42900 - Senior Engineering Design I
or
- ECE 42900 - Senior Engineering Design I
or

- ME 42900 - Senior Engineering Design I
- CE 43900 - Senior Engineering Design II
or
- ECE 43900 - Senior Engineering Design II
or
- ME 43900 - Senior Engineering Design II

Other Required Courses (25 Credits)

Technical Electives (22 Credits)

Technical electives are selected by students in consultation with their advisor. Choose (7).

Humanities or Social Sciences Elective (3 Credits)

Total 120 Credits Required

Bachelor of Science in Electrical Engineering

Electrical Engineering, BSEE

This is a creative profession where electrical engineers develop systems that control, monitor, and energize industrial equipment, household products, and transportation systems resulting in virtually every product found in the home and industry today.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 30700 - Written and Oral Communication for Engineers

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- PHYS 15200 - Mechanics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- ENGR 18600 - First Year Seminar for Engineers

Major Core (70 Credits)

- ENGR 19000 - Elementary Engineering Design
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- PHYS 26100 - Electricity and Optics
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- ECE 15200 - Programming for Engineers
- MA 26400 - Differential Equations
- ECE 20200 - Linear Circuit Analysis II
- ECE 27001 - Introduction to Digital System Design
- ECE 27500 - Analog and Digital Electronics
- ECE 30100 - Signals and Systems
- ECE 30001 - Signs and Systems Lab
- ECE 31200 - Engineering Economics and Project Management

- ECE 36201 - Microprocessor System Design and Interfacing
- MA 26500 - Linear Algebra
- ECE 30200 - Probabilistic Methods in Electrical and Computer Engineering
- ECE 38400 - Linear Control Systems
- ECE 31100 - Electric and Magnetic Fields
- ECE 42900 - Senior Engineering Design I
- ECE 44800 - Introduction to Communication Theory
- ECE 43900 - Senior Engineering Design II

Other Required Courses (18 Credits)

Engineering Elective (3 Credits)

- ME 27100 - Basic Mechanics I (Statics)
or
- ME 30500 - General Thermodynamics I
or
- MSE 20000 - Materials Science

Electric and Computer Engineering Elective (9 Credits)

3 courses required:

- ECE 25100 - Object Oriented Programming
- ECE 35400 - Software Engineering Design I
- ECE 37100 - Computer Organization and Design
- ECE 37500 - Digital Integrated Circuits
- ECE 38000 - Computers in Engineering Analysis
- ECE 42600 - Electric Drives
- ECE 43200 - Elements of Power System Engineering
- ECE 45100 - Industrial Automation
- ECE 45400 - Software Engineering Design II
- ECE 45900 - Advanced Digital System Design
- ECE 46400 - Computer Architecture and Organization
- ECE 46810 - Operating Systems
- ECE 47600 - Digital Signal Processing
- ECE 48300 - Digital Control Systems Analysis and Design
- and any ECE 49500 and above with advisor approval.

Technical Elective (3 Credits)

- CHM 11600 - General Chemistry
- CS 27500 - Data Structures
- CS 30900 - Discrete Mathematical Structures

- CS 33200 - Algorithms
- CS 44200 - Database Systems
- MA 31500 - Introduction to Abstract Mathematics
- MA 34500 - Coding and Information Theory
- MA 34800 - Discrete Mathematics
- MA 47200 - Introduction to Applied Mathematics
- PHYS 31100 - Quantum Physics I
- PHYS 32200 - Intermediate Optics
- PHYS 34200 - Modern Physics
- STAT 34500 - Statistics
- BUSM 33300 - Total Quality Management
- BUSM 36300 - Total Quality Techniques
- FIN 31000 - Financial Management
- MKG 32400 - Marketing Management
- any CE, ECE, ME, or MSE course 20000 or above and less than 48900 except CE 20100 (The Industrial Practice courses are not allowed); any CE, ECE, ME, MSE, or Computer Science course 48900 & above with advisor approval.

Free Elective (3 Credits)

Total 120 Credits Required

Bachelor of Science in Computer Engineering

Computer Engineering, BSCMPE

This program provides a strong theoretical and practical background in both hardware and software, including their applications

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 30700 - Written and Oral Communication for Engineers

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (6 Credits)

- PHYS 15200 - Mechanics
- CHM 11500 - General Chemistry

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- ENGR 18600 - First Year Seminar for Engineers

Major Core (78 Credits)

- ENGR 19000 - Elementary Engineering Design
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- PHYS 26100 - Electricity and Optics
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- ECE 15200 - Programming for Engineers
- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- ECE 20200 - Linear Circuit Analysis II
- ECE 27001 - Introduction to Digital System Design
- ECE 25100 - Object Oriented Programming

- ECE 30100 - Signals and Systems
- ECE 30001 - Signs and Systems Lab
- CS 27500 - Data Structures
- ECE 31200 - Engineering Economics and Project Management
- ECE 36201 - Microprocessor System Design and Interfacing
- CS 30900 - Discrete Mathematical Structures
- ECE 30200 - Probabilistic Methods in Electrical and Computer Engineering
- ECE 37100 - Computer Organization and Design
- ECE 27500 - Analog and Digital Electronics
- ECE 42900 - Senior Engineering Design I
- ECE 44800 - Introduction to Communication Theory
- ECE 35400 - Software Engineering Design I
- ECE 43900 - Senior Engineering Design II

Other Required Courses (12 Credits)

Computer Electives (9 Credits)

3 courses required:

- ECE 31100 - Electric and Magnetic Fields
- ECE 37500 - Digital Integrated Circuits
- ECE 45100 - Industrial Automation
- ECE 45400 - Software Engineering Design II
- ECE 45900 - Advanced Digital System Design
- ECE 46400 - Computer Architecture and Organization
- ECE 46810 - Operating Systems
- ECE 47600 - Digital Signal Processing
- ECE 54400 - Digital Communications
- ECE 54700 - Introduction to Computer Communication Networks
- CS 31600 - Programming Languages
- CS 33200 - Algorithms
- CS 40400 - Distributed Systems
- CS 44200 - Database Systems
- Any ECE or CS 49500 and above with advisor approval.

Free Elective (3 Credits)

Total 122 Credits Required

Master of Science in Engineering

Engineering, MSE

Purdue University Northwest offers graduate Interdisciplinary Engineering leading to a Master of Science in Engineering degree. Courses are available in computer, electrical, mechanical, civil, metallurgical, and industrial engineering. The program has the flexibility to allow students to elect courses in one or several engineering disciplines. Teaching and research assistantships are available to qualified graduate students.

Special Admission Requirements

- Bachelor's degree in Engineering from an institution accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET). Other students having adequate mathematical preparation with bachelor's degrees in non-engineering fields may be admitted on a conditional basis – they must complete 18-27 undergraduate credits in the engineering field of their choice with a GPA of 3.0/4.0 or better before being considered for full admission to the Master of Science in Engineering program.
- Undergraduate GPA of 3.0/4.0 or better. Conditional admission may be granted to students with lower GPA's, with the stipulation that they must receive a grade of B or better for the first 9 credits of graduate work. Some students may be advised to complete prerequisite or additional courses which will not count toward their degree.
- Post-baccalaureate admission. Students may enroll to meet individual needs for continuing education rather than for pursuing a degree. Enrollment as a post-baccalaureate student does not imply later approval for degree-seeking status, nor does it guarantee acceptance toward a degree of credit taken as a post-baccalaureate student.

Degree Requirements

1. Non-thesis Option: 30 semester credits.
2. Thesis Option: 30 semester credits, with 9 credits for the thesis research.
3. GPA of 3.0/4.0 for all courses on the approved plan of study. Some advisory committees may require grades higher than C in specific courses.
4. An advisory committee with at least three members and at least one member to represent a related engineering area. Students will consult with a major advisor assigned upon admission.
5. A plan of study established in consultation with the major advisor or professor and reviewed by members of the advisory committee, and the chair of the Graduate Committee.

Credit for Pre-Admission Course Work: a maximum of 12 semester credits of courses with grades of B or better and satisfying course requirements on the approved plan of study may be used, subject to approval of the student's advisory committee. This limit applies to all pre-admission course work, including post-baccalaureate credit at Purdue, undergraduate excess credit, and transfer credit.

Time limit on reentry: A new plan of study must be approved if a student is inactive in the program for five years, usually excluding courses previously taken.

Total 30 Credits Required

Master of Science in Electrical and Computer Engineering

Electrical and Computer Engineering, MSECE

The Master of Science in Electrical and Computer Engineering (MSECE) degree program requires a total of 30 credit hours to be completed, with thesis or non-thesis option. It is anticipated that the degree may be completed in two years of full time graduate study. To earn the MSECE degree, students must complete 30 credit hours, with an aggregate minimum grade point average of 3.0 for the courses listed in the Plan of Study.

Special Admission Requirements

- Bachelor's degree in Electrical & Computer Engineering from an institution accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET). Other students having adequate mathematical preparation with bachelor's degrees in non-ECE fields may be admitted on a conditional basis – they must complete 18-27 undergraduate credits in the ECE field with a GPA of 3.0/4.0 or better before being considered for full admission to the Master of Science in Electrical & Computer Engineering program. Graduates of non-engineering fields may be admitted to the MSE degree program (see below under MSE degree program) after completing undergraduate math and ECE courses as determined by the ECE Department.
- Undergraduate GPA of 3.0/4.0 or better. Conditional admission may be granted to students with lower GPA's, with the stipulation that they must receive a grade of B or better for the first 9 credits of graduate work. Some students may be advised to complete prerequisite or additional courses which will not count toward their degree.
- Post-baccalaureate admission. Students may enroll to meet individual needs for continuing education rather than for pursuing a degree. Enrollment as a post-baccalaureate student does not imply later approval for degree-seeking status, nor does it guarantee acceptance toward a degree of credit taken as a post-baccalaureate student.

Non-Thesis Option

1. At least 18 credits of ECE primary graduate-level engineering courses
2. Minimum of 3 credit hours of graduate level mathematics course or equivalent with advisor approval
3. At most 9 credits of graduate-level courses in engineering, math, computer science, physics, chemistry, and biology with advisor approval
4. Maximum of one independent study allowed as a related course in Plan of Study

Thesis Option

Allows a student to earn credit for conducting independent research leading to a thesis. The thesis research is undertaken and completed under the supervision of a graduate faculty member and the thesis committee. The student's thesis committee is responsible for approving the research plan, monitoring progress and reviewing the thesis prior to acceptance. Thesis option is normally available to students only after their completion of 9 credit hours with an overall grade point average of 3.0 or better in the degree program.

- 9 thesis research credit hours
- At least 18 credits of ECE primary graduate level engineering courses
- Six of thesis hours are considered as part of primary courses
- Minimum of 3 credit hours of graduate level mathematics course or equivalent with advisor approval
- Maximum of one independent study allowed as a related course in Plan of Study
- Updated requirements can also be found at webs.purduecal.edu/ece/engineer-ing-graduate-program/graduation-requirements.

List of Some Primary ECE Courses

- ECE 50100 - Introduction to Digital Processing of Speech Signals
- ECE 50500 - Networking Programming

- ECE 50600 - Biomedical Instrumentation Design
- ECE 50700 - Introduction to Biomedical Imaging
- ECE 50900 - Advanced Electric Drives
- ECE 51200 - Power Systems
- ECE 51900 - Control Theory II
- ECE 53800 - Digital Signal Processing I
- ECE 54700 - Introduction to Computer Communication Networks
- ECE 56900 - Introduction to Robotic Systems
- ECE 57400 - Software Engineering Methodology
- ECE 58900 - State Estimation and Parameter Identification of Stochastic Systems
- ECE 59500 - Selected Topics in Electrical Engineering (Advanced MATLAB)
- ECE 59500 - Selected Topics in Electrical Engineering (Power Electronics)
- ECE 59500 - Selected Topics in Electrical Engineering (Renewable Energy)
- ECE 59500 - Selected Topics in Electrical Engineering (Energy Systems)
- ECE 59500 - Selected Topics in Electrical Engineering (Image Processing)
- ECE 59500 - Selected Topics in Electrical Engineering (Intelligent Systems)
- ECE 59500 - Selected Topics in Electrical Engineering (Neural Networks)
- ECE 59500 - Selected Topics in Electrical Engineering (Pattern Recognition)
- ECE 59500 - Selected Topics in Electrical Engineering (Computer Graphics)
- ECE 59500 - Selected Topics in Electrical Engineering (Digital Communication)
- ECE 59500 - Selected Topics in Electrical Engineering (Information Theory)
- ECE 59500 - Selected Topics in Electrical Engineering (Simulation and Visualization)

List of Some Related Courses

- ECE 51600 – Adv. Engineering Project Management
- ECE 51400 - Advanced Engineering Economics
- ECE 50300 - Numerical Methods in Engineering
- ECE 52501 - Statistical Concepts in Engineering
- ECE 52701 - System Engineering

Total 30 Credits Required

Graduate Certificate

Engineering Project Management Graduate Certificate

Certificate Requirements

The Graduate Certificate in Engineering Project Management can be earned by completing four courses from the following graduate courses:

- Advanced Engineering Project Management (Required)
- Advanced Engineering Economics (Required)
- Quality Control
- Industrial Applications of Statistics
- Systems Engineering

All courses taken for the certificate can be used for the Master of Science in Engineering degree if admitted to that program. Admission to the certificate program requires a Bachelor's degree in Engineering or approval of the Engineering Graduate Coordinator.

School of Engineering, Department of Mechanical and Civil Engineering

Bachelor of Science in Civil Engineering

Civil Engineering, BSCE

At Purdue University Northwest, civil engineering is a four-year program of full-time study leading to a degree of Bachelor of Science in Civil Engineering (BSCE). The course of study is preparation for a career in a constantly changing field and provides a basis for lifelong learning. The Civil Engineering curriculum provides a broad education in the fundamentals of Civil Engineering. Students may pursue a general program or may choose a specialization in areas such as construction engineering, structural engineering, transportation, water resources and environmental engineering. The BSCE degree is accredited by the Engineering Accreditation Commission of ABET.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 30700 - Written and Oral Communication for Engineers

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- PHYS 15200 - Mechanics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- ENGR 18600 - First Year Seminar for Engineers

Major Core (75 Credits)

- ENGR 19000 - Elementary Engineering Design
- CE 11500 - Engineering Drawing I
- CE 11600 - Engineering Drawing II
- CE 20100 - Surveying and GIS
- CE 27101 - Basic Mechanics I (Statics)
- CE 20400 - Civil Engineering Materials
- CE 27300 - Mechanics of Materials
- CE 27301 - Mechanics of Materials Laboratory
- CE 27500 - Basic Mechanics II (Dynamics)
- CE 33400 - Structural Analysis I
- CE 35100 - Introduction to Transportation Engineering
- CE 35400 - Introduction to Environmental Engineering
- CE 30800 - Construction Engineering Management
- CE 32300 - Soil Engineering
- CE 34200 - Engineering Hydrology and Hydraulics
- CE 31200 - Fluid Mechanics
- CE 42900 - Senior Engineering Design I
- CE 43900 - Senior Engineering Design II
- CE 47100 - Reinforced Concrete Design

- ME 30500 - General Thermodynamics I
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- PHYS 26100 - Electricity and Optics
- STAT 34500 - Statistics

Other Required Courses (15 Credits)

Civil Engineering Restricted Science Elective (3 Credits)

- BIOL 10100 - Introductory Biology
- SCI 10300 - Survey of the Biological World
- SCI 10400 - Introduction to Environmental Biology
- BIOL 22100 - Introduction to Microbiology
- BIOL 31600 - Basic Microbiology

Civil Engineering Electives (9 Credits)

Any three CE courses selected by student with approval of advisor

Any Humanities or Social Science Course (3 Credits)

Total 122 Credits Required

Master of Science in Mechanical Engineering

Mechanical Engineering, MSME

The MSME degree program requires a total of 30 credit hours to be completed, with thesis or non-thesis option. It is anticipated that the degree may be completed in two years of full time graduate study. To earn the Master of Science in Mechanical Engineering (MSME) degree, students must complete 30 credit hours, with an aggregate minimum grade point average of 3.0 for the courses listed in the Plan of Study.

Assistantships

Teaching and research assistantships are available to qualified graduate students.

Course Requirements

One advanced mathematics course (3 credit hours) at the 500-level taught by either the mathematics department or one of the engineering departments is required for both thesis and non-thesis options.

Thesis Option

Thesis option allows a student to earn credit for conducting independent research leading to a publishable report or thesis. This option requires 21 credit hours of advanced ME/mathematics coursework and a minimum of 9 credit hours of thesis research work.

The thesis research is undertaken and completed under the supervision of a graduate faculty member and the thesis committee. The student's thesis committee is responsible for approving the research plan, monitoring progress and reviewing the thesis prior to acceptance.

Thesis option is normally available to students only after their completion of 9 credit hours with an overall grade point average of 3.0 or better in the degree program.

- 3 credit hours of advanced mathematics at the 500 level taught by either the mathematics department or one of the engineering departments.
- 18 credit hours (six (6) graduate courses) from the approved list of mechanical engineering primary courses (thermofluids, dynamics, structural mechanics and machine design).
- 9 credit hours of research

Non-Thesis Option

The course requirements are divided into three categories:

1. 3 credit hours of advanced mathematics at the 500-level taught by either the mathematics department or one of the engineering departments,
2. 24 credit hours (8 graduate courses) from the approved list of ME primary (thermofluids, dynamics, structural mechanics, machine design) courses, and
3. 3 credit hours (one course) from a list of approved courses in engineering, mathematics, statistics, computer science, physics, and life sciences. Any exceptions to the above requirements must be approved by the graduate committee.

List of Some Primary ME Courses

- ME 59700 - Advanced Mechanical Engineering Projects I
or
- CE 57000 - Advanced Structural Mechanics
- ME 59700 - Advanced Mechanical Engineering Projects I (Finite Element Analysis)
- ME 56300 - Mechanical Vibrations
- ME 59700 - Advanced Mechanical Engineering Projects I (Musculoskeletal Biomechanics)
- ME 59700 - Advanced Mechanical Engineering Projects I (Theory of Plates and Shells)
- ME 50200 - Numerical Heat and Mass Transfer
- ME 59700 - Advanced Mechanical Engineering Projects I (Computational Fluid Dynamics (CFD))
- ME 51900 - Introduction to Wind Energy
- ME 52100 - Air Quality Modeling

- ME 52400 - Design and Analysis-Heating Ventilation and Air Conditioning
- ME 52300 - Electronics System Cooling
- ME 58300 – Design of Heat Exchangers
- ME 51100 – Combustion
- ME 59700 - Advanced Mechanical Engineering Projects I (Two Phase Flow and Heat Transfer)
- ME 59700 - Advanced Mechanical Engineering Projects I (Matrix Analysis of Structures)
- ME 59700 - Advanced Mechanical Engineering Projects I (Modeling of Micro/Nano Systems)
- ME 59700 - Advanced Mechanical Engineering Projects I (Vehicle Dynamics)
- ME 50000 - Advanced Thermodynamics
- ME 50500 - Intermediate Heat Transfer
- ME 50900 – Fluid Properties
- ME 51300 - Engineering Acoustics
- ME 56000 - Kinematics
- ME 57500 - Theory and Design of Control Systems
- ME 58700 - Engineering Optics

List of Some Related Courses

- ME 59700 - Advanced Mechanical Engineering Projects I (Materials Selection for Design)
- ME 59700 - Advanced Mechanical Engineering Projects I (Numerical Methods for Engineers)
- ME 59700 - Advanced Mechanical Engineering Projects I (Optimization and Simulation Models)
- ME 59700 - Advanced Mechanical Engineering Projects I (Energy System)
- ME 59700 - Advanced Mechanical Engineering Projects I (Solid Waste Management)
- ME 54300 - Advanced Engineering Economics
- ME 51600 - Advanced Engineering Project Management
- ME 59700 - Advanced Mechanical Engineering Projects I (Adv. Mechanical Engineering Projects I)
- ME 53400 - System Engineering
- ME 51500 - Quality Control

Total 30 Credits Required

College of Humanities, Education, and Social Sciences

College of Humanities, Education, and Social Sciences

Ron Corthell, Ph.D. Interim Dean

Rex Morrow, Ph.D. Interim Director, School of Education

<http://academics.pnw.edu/humanities-education-social-sciences/>

Purdue University Northwest offers more than 30 degree programs in the humanities, education and social sciences. Choosing majors in the Humanities, Education and Social Sciences (CHESS) will lead you to a broader understanding of human culture and society. You will be prepared for a wide variety of careers and a life characterized by creativity, community engagement, and personal fulfillment. As a CHESS student you will work with outstanding teachers who are also engaged in research and scholarship in their fields.

As an undergraduate or graduate student you have the opportunity to work with faculty in such wide-ranging projects as Gender and Politics in Ancient Italy, Mapping of Chinese Religions, Environmental Science Writing, the Psychology of Climate Change, Apocalyptic Film Heroes, and Writing in Virtual Worlds.

The College is home to the Institute for Social and Policy Research, the International Film Series, and the Purdue Theater Company – each offering unique educational opportunities to every enrolled student. You can immerse yourself in other cultures through our Study Abroad programs. Every spring the College hosts the Clement S. Stacy Undergraduate Research Conference where students from across the Midwest present the results of their research in the humanities and social sciences.

Our graduates work for the Youth Services Bureau, numerous school districts as teachers, La Porte County Circuit Court, Keyes Counseling, Westville Little School/Pre-School, Chicago Fire Soccer Club, and We Create Media.

Accreditations

- Council for Accreditation of Counseling and Related Educational Programs, 1001 North Fairfax Street, Suite 510 Alexandria, VA 2231, phone (703) 535-599, fax (703) 739-6209. <http://www.cacrep.org/>
- Council for Accreditation of Education Preparation (CAEP), 1140 19th St NW, Suite 400 Washington, DC 20036 (202) 223-0077. <http://caepnet.org/>
- Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE) American Association for Marriage and Family Therapy 112 South Alfred Street, Alexandria, VA 22314 phone: (703) 838-9808 fax: (703) 838-9805. <http://coamfte.org/>
- National Council for Accreditation of Teacher Education (NCATE) 2010 Massachusetts Ave , Suite 500, Washington, DC 20036-1023. www.ncate.org

Minors

Minors offered at Purdue Northwest.

Bachelor of Arts

Multidisciplinary Studies, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- other Gen Ed Technology

Humanities (3 Credits)

Any English Lit course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology

- SOC 10000 - Introductory Sociology
or
- ANTH 10500 - Cultural Anthropology

First-Year Experience (FYE) (3 Credits)

- GNS 10300 - Introduction to Higher Education

Major Core (90 Credits)

- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics
- PHIL 32400 - Ethics for the Professions

History (3 Credits)

- HIST 10300 - Introduction to the Medieval World
- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Political Science (3 Credits)

- POL 10100 - American Government and Politics
or
- POL 13000 - Introduction to International Relations

Math or Science (6 Credits)

- Choose any MA (except MA 11500), STAT, SCI, BIOL, CHM, EAS, ASTR, or CIS course
or
- FN 30300 - Essentials of Nutrition

MDS Options 1 and 2 (36 Credits)

Courses are dependent upon the following Areas of Study (choose 2): American History, Business, Communication—International/Intercultural Studies, Media Studies, English Literature, English Writing-Writing for Interactive Media, English Writing-Writing for Publication, French, HDFS-Early Childhood, HDFS-Child & Family Services, HTM-Nutrition, Fitness & Health, HTM-Hospitality & Tourism, Law, Politics & Philosophy; Organizational Leadership, Philosophy, Political Science, Psychology, Sociology, Spanish (Heritage), Spanish (Non-Heritage), World History, and others as established.

Electives (18 Credits)

Any course 10000 level or higher

SUGR Course EXL (3 Credits)

Senior Undergraduate Research (SUGR) Course - E X L – See your academic advisor for appropriate course selection. IDIS 10001 must be paired with this course to be considered Experiential Learning.

Total 120 Credits Required

Bachelor of Liberal Studies

Liberal Studies, BLS

The Bachelor of Liberal Studies, offered through the College of Humanities, Education, and Social Sciences, allows students the opportunity to tailor their primary and secondary concentrations to meet their specific needs, whether these needs involve promotions at current jobs, new careers, graduate study, or personal fulfillment.

Areas of concentration can include but are not limited to technology, pre-law, pre-medicine, pre-physical therapy, behavioral sciences, communication, business, organizational leadership and supervision, and natural sciences. Students may also transfer credits from other accredited institutions toward the Bachelor of Liberal Studies degree requirements, making the plan of study

even more unique. Students may transfer, for example, courses in paralegal studies, criminal justice, interior design, medical assisting – just to name a few.

Degree Requirements

PNW General Education Core (30 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 12301 - Mathematical Ideas or higher
or
- STAT 11300 - Statistics and Society

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CNIT 10700 - Computers and Software Packages

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology
or
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Select a course from any Core list except FYE

First-Year Experience (FYE) (3 Credits)

- GS 19100 - First-Year Experience I

Supplemental Core (21 Credits)

Foreign Language (6 Credits)

U.S. Tradition (3 Credits)

Global Cultures (3 Credits)

Literature and the Arts (3 Credits)

Racial and Ethnic Diversity (3 Credits)

Gender Issues (3 Credits)

Liberal Studies Gateway Course (3 Credits)

- IDIS 23500 - Introduction to Great Issues

Primary Area of Study (30 Credits)

A minimum of 30 credits is required (ordinarily distributed among three or more disciplines) taken beyond core requirements. The primary area of study must be agreed upon by the student and the academic advisor. The primary areas of study include but are not limited to:

- Humanities: creative arts, foreign literature, literature, philosophy, history
- Social and behavioral sciences: economics, political science, psychology, sociology
- Natural science and mathematics: biology, chemistry, mathematics, physics
- Various technology and interdisciplinary areas

Secondary Area of Study (21 Credits)

A minimum of 21 credits is required (ordinarily distributed among two or more disciplines) taken beyond the core. The secondary area must be agreed upon by the student and the academic advisor.

Liberal Studies Capstone Courses (6 Credits)

- IDIS 43500 - Great Issues I
- IDIS 43600 - Great Issues II

Free Electives (9 Credits)

Total 120 Credits Required

Other Requirements and Limitations:

- Students must have a completed plan of study on file with the Department of History and Philosophy by their junior year. Otherwise, on-time graduation cannot be assured.
- A minimum of 30 credits must be taken at the 300 level or above
- A minimum of 30 credits must be taken at the North Central campus
- A minimum of 32 credits must be taken at a campus of Purdue University at the junior level or above
- A maximum of eight courses from any one discipline may be counted toward the fulfillment of the degree requirement

Department of Behavioral Sciences

Bachelor of Arts

Behavioral Sciences, BA

The Bachelor of Arts in Behavioral Sciences (BABS) is designed to give students the necessary background for entry-level employment in social services, currently one of the fastest-growing fields in the Midwest. It also provides a solid foundation for students wishing to pursue graduate work in psychology or sociology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 12301 - Mathematical Ideas

Natural Sciences (3 Credits)

Select from the Natural Science Core list

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

- ENGL 23100 - Introduction to Literature
or
- HIST 10300 - Introduction to the Medieval World

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- ANTH 10500 - Cultural Anthropology
or
- ANTH 14100

First-Year Experience (FYE) (3 Credits)

- HIST 15100 - American History to 1877
- POL 13000 - Introduction to International Relations
- SWRK 26100 - Introduction to Social Work

Supplemental Core (30 Credits)

Modern Language (6 Credits)

U.S. Tradition (3 Credits)

Western Heritage (3 Credits)

Global Cultures (3 Credits)

Literature and the Arts (3 Credits)

Racial and Ethnic Diversity (3 Credits)

Gender Issues (3 Credits)

Social Ethics (3 Credits)

Individual and Society (3 Credits)

Behavioral Sciences - Generalist Core (12 Credits)

- SOC 10000 - Introductory Sociology
- SOC 38200 - Introduction to Statistics in Sociology
- SOC 38300 - Introduction to Research Methods in Sociology

Choose One:

- ANTH 10000 - Introduction to Anthropology
- SWRK 26100 - Introduction to Social Work

Electives (48 Credits)

Psychology Elective Courses (6 Credits)

(2) Psychology elective courses at 200 level +

Sociology Elective Courses (6 Credits)

(2) Sociology elective courses at 200 level +

History Elective (3 Credits)

Anthropology Elective Course (3 Credits)

Anthropology elective course at 200 level +

Anthropology, Sociology, or Psychology Courses (6 Credits)

(2) Anthropology, Sociology, or Psychology Courses at 300 level +

Free Electives (24 Credits)

Total 120 Credits Required

Behavioral Sciences, Sociology, BA

The Bachelor of Arts in Behavioral Sciences (BABS) is designed to give students the necessary background for entry-level employment in social services, currently one of the fastest-growing fields in the Midwest. It also provides a solid foundation for students wishing to pursue graduate work in psychology or sociology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 12301 - Mathematical Ideas

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

- ENGL 23100 - Introduction to Literature
or
- HIST 10300 - Introduction to the Medieval World

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- ANTH 10500 - Cultural Anthropology
or
- POL 14100 - Governments of the World

First-Year Experience (FYE) (3 Credits)

- HIST 15100 - American History to 1877
or
- POL 13000 - Introduction to International Relations

Supplemental Core (30 Credits)

Modern Language (6 Credits)

U.S. Tradition (3 Credits)

Western Heritage (3 Credits)

Global Cultures (3 Credits)

Literature and the Arts (3 Credits)

Racial and Ethnic Diversity (3 Credits)

Gender Issues (3 Credits)

Social Ethics (3 Credits)

Individual and Society (3 Credits)

Behavioral Sciences - Sociology Core (12 Credits)

- SOC 10000 - Introductory Sociology
- SOC 38200 - Introduction to Statistics in Sociology
- SOC 38300 - Introduction to Research Methods in Sociology

Choose One:

- ANTH 10000 - Introduction to Anthropology
- SWRK 26100 - Introduction to Social Work

Electives (48 Credits)

Sociology Electives (21 Credits)

(7) Sociology Elective Courses, 200 level +

Free Electives (27 Credits)

Total 120 Credits Required

Human Development and Family Studies, Early Childhood, BA

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- other Gen Ed Technology

Humanities (3 Credits)

Any 10000 level History course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- FN 30300 - Essentials of Nutrition

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (63 Credits)

- HDFS 10100 - Working with Parents
- HDFS 21600 - Introduction to Early Childhood Education
- BHS 20100 - Statistical Methods for the Behavioral Sciences
- HDFS 21000 - Introduction to Human Development
- HDFS 21700 - Issues in Early Childhood Education
- PSY 36100 - Human Development I: Infancy and Childhood
- HDFS 30800 - Language and Literature in Early Childhood
- HDFS 20500 - Introduction to Family Dynamics
- SOC 35000 - Social Psychology of Marriage
- SOC 38300 - Introduction to Research Methods in Sociology
- HDFS 22800 - Developmental Infant and Toddler Care
- HDFS 31001 - Math, Science, and Social Studies in Early Childhood
- PSY 34400 - Human Sexuality
- HDFS 34000 - Teaching Very Young Children With Special Needs
- HDFS 43101 - Techniques of Human Assessment
- POL 34601 - Family Law
- HDFS 42100 - Children's Social Development
- HDFS 35400 - Practicum in Early Childhood I
- HDFS 45200 - Family Resource Management
- HDFS 45501 - Practicum in Early Childhood II
or
- HDFS 45601 - Practicum With Infants and Toddlers
- HDFS 46200 - Ethics and Professional Development in Family Life Education

Other Required Courses (26 Credits)

- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course except PHIL 15000.

Literature (3 Credits)

Any English Lit course

Free Elective (2 Credits)

Total 120 Credits Required

Human Development and Family Studies, Individual and Family Services, BA

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- other Gen Ed Technology

Humanities (3 Credits)

Any 10000 level History course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- FN 30300 - Essentials of Nutrition
or
- non-lab Science

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (63 Credits)

- HDFS 10100 - Working with Parents
- HDFS 21000 - Introduction to Human Development
- BHS 20100 - Statistical Methods for the Behavioral Sciences

- PSY 36100 - Human Development I: Infancy and Childhood
- SOC 22000 - Social Problems
- HDFS 20500 - Introduction to Family Dynamics
- PSY 36200 - Human Development II Adolescence
- SOC 26100 - Basic Helping Skills for Human Services
- SOC 30600 - Methods in Human Services
- SOC 35000 - Social Psychology of Marriage
- COM 21400 - Comparative Theories of Interpersonal Communication
- SOC 36400 - Child and Family Welfare
- SOC 30700 - Field Experience in Human Services
- SOC 38300 - Introduction to Research Methods in Sociology
- POL 34601 - Family Law
- HDFS 41300 - Diversity in Families
- HDFS 45200 - Family Resource Management
- PSY 34400 - Human Sexuality
- HDFS 46200 - Ethics and Professional Development in Family Life Education

Guided Elective (3 Credits)

Choose from:

- PSY 35500 - Child Abuse and Neglect
- SOC 36100 - The Institution of Social Welfare
- SOC 43101
- SOC 44000 - Sociology of Health and Illness
- HDFS 43101 - Techniques of Human Assessment
- HDFS 42100 - Children's Social Development

Other Required Courses (26 Credits)

- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course except PHIL 15000.

Literature (3 Credits)

Any English Lit course

Free Elective (2 Credits)

Total 120 Credits Required

Social Work, BA

The BASW Program educates students to become professionals in social work. The BASW curriculum provides a professional social work foundation that is transferable to different settings, population groups and problem areas. Students select a curriculum focused in clinical, organizational, community, international and social justice issues with a strong emphasis on service learning in the community with excellence in scholarship.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 11300 - Statistics and Society

Natural Sciences (3 Credits)

- ASTR 26300 - Descriptive Astronomy: The Solar System
- EAS 10400 - Oceanography
- EAS 12000 - Introduction to Geography

Technology (3 Credits)

- CNIT 10700 - Computers and Software Packages

Humanities (3 Credits)

- HIST 10300 - Introduction to the Medieval World
- HIST 10400 - Introduction to the Modern World
- PHIL 11000 - Introduction to Philosophy

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- SWRK 16200 - Careers in Social Work and Human Services

First-Year Experience (FYE) (3 Credits)

- HIST 10400 - Introduction to the Modern World
- PHIL 11000 - Introduction to Philosophy
- POL 13000 - Introduction to International Relations
- GS 19100 - First-Year Experience I

Supplemental Core (36 Credits)

Modern Language (12 Credits)

(credit in the fourth semester required)

U.S. Tradition (3 Credits)

Western Heritage (3 Credits)

Global Cultures (3 Credits)

Literature and the Arts (3 Credits)

Racial and Ethnic Diversity (3 Credits)

Gender Issues (3 Credits)

Social Ethics (3 Credits)

Individual and Society (3 Credits)

Major Core (54 Credits)

- SOC 10000 - Introductory Sociology
- SWRK 24000 - Social Work Helping Communication With Individuals and Small Groups
- SWRK 26100 - Introduction to Social Work
- SWRK 30100 - Social Work Research
- SWRK 32100 - Human Behavior in the Social Environment I
- SWRK 32200 - Human Behavior in the Social Environment II
- SWRK 35100 - Junior Practicum
- SWRK 35900 - Macro Practice: Human Service Organizations and the Community
- SWRK 36100 - Institutional Social Welfare
- SWRK 36200 - Social Work Practice I
- SWRK 36300 - Social Work Practice II
- SWRK 36600 - Group Practice in Social Work
- SWRK 46100 - Field Practicum in Social Work
- SWRK 46400 - Field Practicum in Social Work II
- Social Work Elective 30000 level or above Credits Hours: 3.00
- Social Science Elective Credit Hours: 3.00

Total 120 Credits Required

Sociology, BA

Degree Requirements

PNW General Education Core (34 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (6 Credits)

- FN 30300 - Essentials of Nutrition
- and one Natural Science course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Any English Lit course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Any 10000 level History course

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (33 Credits)

- SOC 22000 - Social Problems
- BHS 20100 - Statistical Methods for the Behavioral Sciences
- SOC 38300 - Introduction to Research Methods in Sociology
- SOC 31400 - Race and Ethnic Relations
- SOC 40200 - Sociological Theory
- SOC 30700 - Field Experience in Human Services
- Sociology Electives – 30000 level or above Credit Hours: 15.00

Other Required Courses (53 Credits)

- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Aesthetics (3 Credits)

The Department of Behavioral Sciences accepts the following:

- AD 25500 - Art Appreciation
- ENGL 40500
- ENGL 38600 - History of Film to 1938
- ENGL 28600 - The Movies
- MUS 25000 - Music Appreciation
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course, except PHIL 15000

Political Science (3 Credits)

Any 10000 level POL course

Electives (39 Credits)

Free Electives/Minor

Total 120 Credits Required

Sociology, Criminal Justice, BA

Degree Requirements

PNW General Education Core (34 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (6 Credits)

- FN 30300 - Essentials of Nutrition
- one Natural Science course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Any English Lit course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Any 10000 level History course

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (48 Credits)

- CRJU 15000 - Introduction to the Criminal Justice System
- SOC 22000 - Social Problems
- SOC 38200 - Introduction to Statistics in Sociology
- CRJU 24000 - Introduction to Corrections
- CRJU 23000 - Introduction to Law Enforcement
- CRJU 30700 - Victimology
- SOC 38300 - Introduction to Research Methods in Sociology

- SOC 32400 - Criminology
or
- CRJU 32400 - Criminology

- SOC 31400 - Race and Ethnic Relations

- SOC 24100 - Juvenile Delinquency Credit Hours: 3.00
or
- CRJU 24100 - Juvenile Delinquency Credit Hours: 3.00

- SOC 44300 - Field Experience in Criminal Justice
- SOC 40200 - Sociological Theory
- Sociology/Criminal Justice – B4 Credit Hours: 12.00

Other Required Courses (38 Credits)

- POL 10100 - American Government and Politics
- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Aesthetics (3 Credits)

The Department of Behavioral Sciences accepts the following:

- AD 25500 - Art Appreciation
- ENGL 40500
- ENGL 38600 - History of Film to 1938
- ENGL 28600 - The Movies
- MUS 25000 - Music Appreciation
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course, except PHIL 15000

Electives (14 Credits)

Free Electives/Minor

Total 120 Credits Required

Master of Science

Child Development and Family Studies, Human Development and Family Studies, MS

Program Requirements

Common Core

- CDFS 60200 - Advanced Family Studies
- CDFS 61500 - Research Methods in Child and Family Study
- CDFS 61800 - Program Development and Evaluation
- CDFS 59000 - Special Problems (Current Research Topics in Child Development and Family Studies)

- PSY 60500 - Applied Multivariate Analysis
- CDFS 59000 - Special Problems (Administration of Social Service Non-for-Profit Agencies)
- CDFS 68000 - Professional Issues for Child and Family Specialists
- CDFS 59000 - Special Problems (6-hours of Directed Research)

Electives

Nine credit hours at the 40000-60000 level. Electives must represent one of the specialties listed below:

- Early Childhood Development Area
- Child & Family Studies Area
- Disabilities Studies Area
- Gerontology Area

Completed Directed Research Project and Oral Defense

Total 36 Credits Required

Child Development and Family Studies, Marriage and Family Therapy, MS

Accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE).

Special Admission Requirements

- 1000-word autobiographical statement demonstrating that the student has adequate preparation.
- Combined verbal and math Graduate Record Examination score of 300.

Program Requirements

Required Courses

- CDFS 59000 - Special Problems (Couple and Sex Therapy)
- CDFS 60100 - Advanced Child Development
- CDFS 59000 - Special Problems (Diversity and Social Justice in Family Therapy)
- CDFS 61500 - Research Methods in Child and Family Study
- CDFS 65700 - Social Constructionist Family Therapies
- CDFS 66000 - Family Therapy Skills
- CDFS 66300 - Structural and Strategic Family Therapies
- CDFS 66500 - Transgenerational and Specialized Family Therapies
- CDFS 66900 - Practicum in Family Therapy (6 semesters)

- CDFS 59000 - Special Problems (Contemporary Issues in Family Therapy)
- CDFS 68000 - Professional Issues for Child and Family Specialists
- CDFS 69800 - Research MS Thesis (6 credits)
- PSY 60500 - Applied Multivariate Analysis
- CDFS 59000 - Special Problems (Behavior Disorders)
- CDFS 59000 - Special Problems (Children in Family Therapy)
- CDFS 64100 - Trauma and Recovery in Family Therapy

Additional Requirements

- 500 hours of face-to-face contact with clients
- 100 hours of supervision
- Completed written thesis and oral defense of thesis

Total 67 Credits Required

Post-Baccalaureate Certificate

Early Childhood Development Post-Baccalaureate Certificate

Early Childhood Development Post-Baccalaureate Certificate

This certificate is available to students with baccalaureate degrees who are already working with young children, either as family child care providers, or in various center-based capacities, including teaching or administration. It will provide immediate and substantial support to providers coming to the field from other areas of study. The certificate includes coursework in child development, observation and curriculum preparation, and requires supervised practical experience.

Program Requirements

Core Requirements

- PSY 36100 - Human Development I: Infancy and Childhood
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)
- HDFS 21600 - Introduction to Early Childhood Education
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)
or

- HDFS 43101 - Techniques of Human Assessment (elective)
- HDFS 21700 - Issues in Early Childhood Education
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)
or
- HDFS 34000 - Teaching Very Young Children With Special Needs (elective)
- HDFS 30800 - Language and Literature in Early Childhood
- HDFS 47000 - Supervised Experience in Early Childhood Programs

For Acting Administrators

- PSY 36100 - Human Development I: Infancy and Childhood
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)
- HDFS 21600 - Introduction to Early Childhood Education
or
- HDFS 30501 - Art, Music and Movement in Early Childhood (elective)
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)
- HDFS 21700 - Issues in Early Childhood Education
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)
- HDFS 30800 - Language and Literature in Early Childhood
- HDFS 33201 - Child Care Administration
- HDFS 47000 - Supervised Experience in Early Childhood Programs

For Family Childcare Providers

- PSY 36100 - Human Development I: Infancy and Childhood
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)

- HDFS 21600 - Introduction to Early Childhood Education
or
- HDFS 30501 - Art, Music and Movement in Early Childhood
or
- HDFS 22800 - Developmental Infant and Toddler Care
- HDFS 21700 - Issues in Early Childhood Education
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)
- HDFS 30800 - Language and Literature in Early Childhood
- HDFS 31001 - Math, Science, and Social Studies in Early Childhood
- HDFS 47000 - Supervised Experience in Early Childhood Programs

Possible Electives

- HDFS 42100 - Children's Social Development
- HDFS 30501 - Art, Music and Movement in Early Childhood
- HDFS 43101 - Techniques of Human Assessment (ExL)
- HDFS 22800 - Developmental Infant and Toddler Care
- HDFS 34000 - Teaching Very Young Children With Special Needs

Total 18 Credits Required

Note: Some students may already have coursework that approximates that of some required courses. Alternative courses should enrich the student's familiarity with the topics or issues addressed in the required courses. Alternative courses must be chosen in consultation with program advisors.

Department of Communication and Creative Arts

Bachelor of Arts

Communication, BA

The Communication degree offers students the opportunity to prepare for a wide range of careers where effective oral and written communication is essential. By combining a study of communication theory and research with an emphasis on performance, communication majors will see improvement in critical thinking, research, writing, team, interpersonal, and public speaking skills. Graduates of the program may find work in such diverse areas as organizational training and development, broadcasting and public relations. Internship opportunities are available to students that will allow them to network with professionals while continuing to build their communication skills.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Any Science Core course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- FN 30300 - Essentials of Nutrition
- or any Science, MA, STAT, or CIS course

First-Year Experience (3 Credits)

- COM 10300 - The Freshman Seminar in Communication

Supplemental Core (30 Credits)

- PSY 12000 - Elementary Psychology

Modern Language (12 Credits)

Credit in the fourth semester required.

History (3 Credits)

Economics (3 Credits)

- ECON 10100 - Survey of Economics

Literature (3 Credits)

Political Science (3 Credits)

- POL 10100 - American Government and Politics

Aesthetics (3 Credits)

Major Core (15 Credits)

- COM 20400 - Critical Perspectives on Communication
- COM 25000 - Mass Communication and Society
- COM 30000 - Introduction to Communication Research Methods
- COM 31800 - Principles of Persuasion
- COM 43500 - Communication and Emerging Technologies

Other Required Courses (45 Credits)

Communication Electives (21 Credits)

Choose courses with emphasis in an identified career path or concentration. Seven (7) electives in communication are required for major. At least four of those electives must be upper division (UD) at 30000 level or above. At least two of those UD courses must be COM EXL courses. Prerequisites may apply.

Free Electives (24 Credits)

Total 120 Credits Required

Students may choose to complete one concentration from the following areas: Advertising, Broadcasting, International Communication, Journalism, Media Studies, or Public Relations. (Use the separate degree map for the Visual Communication Design concentration.)

Communication, Visual Communication Design, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Any Science Core course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- FN 30300 - Essentials of Nutrition
- or any Science, MA, STAT, or CIS course

First-Year Experience (3 Credits)

- COM 10300 - The Freshman Seminar in Communication

Supplemental Core (24 Credits)

- PSY 12000 - Elementary Psychology

Modern Language (12 Credits)

Credit in the fourth semester required.

History (3 Credits)

Literature (3 Credits)

Aesthetics (3 Credits)

Major Core (57 Credits)

- AD 10500 - Design I
- AD 10600 - Design II
- COM 25000 - Mass Communication and Society

- AD 11300 - Basic Drawing
- COM 20400 - Critical Perspectives on Communication
- AD 22200 - Introduction to Photography
- AD 11200 - Graphic Arts I: Typography
- AD 20400 - Graphic Arts II: Digital
- AD 30102 - Color and Composition
- COM 30900 - Visual Communication
- AD 32800 - Visual Communication Design I
- CGT 21600 - Vector Imaging for Computer Graphics
- AD 32900 - Visual Communication Design II
- ECON 10100 - Survey of Economics
- POL 10100 - American Government and Politics
- AD 44800 - Visual Communication Design III
- CGT 35300 - Principles of Interactive and Dynamic Media
- AD 44900 - Visual Communication Design IV
- AD 40300 - Portfolio Process and Presentation

Other Required Courses (9 Credits)

Communication Electives (6 Credits)

Any upper division COM or AD courses (30000 or above) can be used toward the Communication Elective.

Free Elective (3 Credits)

Total 120 Credits Required

Master of Arts

Communication, MA

The Master's degree program within the Department of Communication and Creative Arts at Purdue University Calumet offers a broad range of courses covering theories and research methodologies in the following areas: mass communication, interpersonal communication, organizational communication, performance studies, political communication, and rhetoric. The program is highly flexible and allows each graduate student to plan his/her course of study in consultation with a graduate faculty or advisor. After admission into the program, students will meet with advisor to determine their course of study based on their interests and professional goals.

The program was originally designed to meet the needs of individuals who live and work in northwest Indiana and who want to complete advanced courses of study in communication studies. Today, a diverse student body--including international--is enrolled in the program. Numerous graduate students have successfully completed the program to qualify for career

advancement, to prepare for doctoral study, or to satisfy their own curiosity about the most fundamental human behavior: Communication.

Program Requirements

Required Courses (3 Credits)

- COM 58200 - Descriptive/Experimental Research in Communication
or
- COM 58400 - Historical/Critical Research in Communication

Theory (9 Credits)

Nine (9) hours of THEORY from the courses listed below:

- COM 50800 - Nonverbal Communication in Human Interaction
- COM 51200 - Theories of Interpersonal Communication
- COM 51700 - Communication in Politics
- COM 51800 - Theories of Persuasion
- COM 52000 - Small Group Communication
- COM 52100 - Theories of Rhetoric
- COM 53400 - Comparative Telecommunication Systems
- COM 54500 - Theories of Oral Interpretation
- COM 56000 - Rhetorical Dimension of Mass Media
- COM 57400 - Organizational Communication
- COM Elective - Communication Elective *

Research Methods/Application (9 Credits)

Nine (9) hours of RESEARCH METHODS/APPLICATION from courses listed below:

- COM 51500 - Persuasion in Social Movements
- COM 52500 - Advanced Interviewing and Conference Methods
- COM 53100 - Special Topics in Mass Communication
- COM 53300 - Documentary Television
- COM 53600 - Radio & Television Writing
- COM 54000 - Advanced Oral Interpretation
- COM 55900 - Current Trends in Mass Communication Research
- COM 58300 - Research and Assessment in Organizational Communication
- COM Elective - Communication Elective*

Communication Electives

*Depending on the topic and approach, the following courses could fulfill requirements in the above categories.

Students need to get the Graduate Director's approval to count one of the following as either Theory or Research:

- COM 61200 - Seminar: Special Topics in Interpersonal Communication
- COM 62100 - Seminar: Special Topics in Rhetorical Theory
- COM 63200 - Seminar: Special Topics in Mass Communication
- COM 67400 - Seminar: Special Topics in Organizational Communication

Electives (15 Credits)

Fifteen (15) hours of ELECTIVE coursework – Note: No more than 9 hours may be taken outside the department, no more than 6 hours Directed Study courses. Two 400-level COM courses may be taken for graduate elective credit.

Advisor Selection/Examination Committee

1. Upon completion of 9 credit hours, student must select a graduate faculty mentor/advisor (examination committee chair).
2. The student and the advisor will plan a course of study for the remaining 27 credit hours.
3. Prior to the completion of the 24th credit hour, students must select two remaining committee members for their advisory committees.
4. The student and the committee will discuss and determine an appropriate graduation examination format. Usual options include: Comprehensive Exams; Conference Quality Paper; Performance/Creative Project; Thesis

Transfer of Credits

No more than 9 credits (3 courses) from other accredited institutions, taken within 10 years prior to completion of degree program, may be accepted at the discretion of the Department.

Total 36 Credits Required

Department of English

Bachelor of Arts

English, English Literature, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

Select from the Quantitative Reasoning Core list

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- ANTH 10500 - Cultural Anthropology

Additional Credits (3 Credits)

- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- PHIL 10700 - Freshman Experience -English & Philosophy

Supplemental Core (27 Credits)

Foreign Language (12 Credits)

Credit in the fourth semester required.

History (3 Credits)

Philosophy (3 Credits)

Aesthetics (3 Credits)

Political Science (3 Credits)

Economics (3 Credits)

Additional Math or Science (3 Credits)

Major Core (60 Credits)

Literature Requirement (33 Credits)

Pre/Co-requisite ENGL 10000 or ENGL 10400 or ENGL 10800 and/or ENGL 20100. Must take 12 courses:

- ENGL 20100 - The Nature of Literary Study (recommended to be taken before any literature courses)
- Choose any 30000 or above literature course

Survey Courses

Survey courses should be taken in Freshmen/Sophomore years. Choose one from each category:

- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period (m)
or
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period (m)
- ENGL 26000 - Introduction to World Literature: to 1700
or
- ENGL 26100 - Introduction to World Literature: Since 1700
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865

or

- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period

Author Studies

Choose one:

- ENGL 41100 - Studies in Major Authors (may also be taken to satisfy the JR/SR seminar if the course features a different author.)
- ENGL 44100 - Chaucer's Canterbury Tales
- ENGL 44200 - Shakespeare
- ENGL 44400 - Milton

Theory

Should be taken in Senior year.

- ENGL 40300 - Literary Theory
- or
- ENGL 46900 - Issues in Contemporary Criticism and Theory

Choose One Junior/Senior Seminar From:

Should be taken in Junior/Senior years.

- ENGL 41100 - Studies in Major Authors
- ENGL 41200 - Studies in Genre
- ENGL 41300 - Studies in Literature and History
- ENGL 41400 - Studies in Literature and Culture

Choose One Genre Course

- ENGL 23800 - Introduction to Fiction
- ENGL 26400 - The Bible as Literature
- ENGL 28600 - The Movies
- ENGL 31000 - Introduction to Popular Culture
- ENGL 31300 - African American Women's Fiction
- ENGL 31800 - Graphic Narrative
- ENGL 32000 - By and About Women
- ENGL 32500 - International Short Story
- ENGL 35600 - American Humor
- ENGL 37300 - Science Fiction and Fantasy
- ENGL 37500 - British Drama to 1800, Exclusive of Shakespeare
- ENGL 37700 - Major Modern Poetry
- ENGL 37900 - The Short Story

- ENGL 38100 - The British Novel
- ENGL 38200 - The American Novel
- ENGL 38300 - Modern Drama: Ibsen to the Absurdist
- ENGL 41200 - Studies in Genre
- ENGL 47900 - The Short Story
- ENGL 49200 - Literature in the Secondary Schools
- THTR 34800 - Dramatic Performance in Context

Choose One Historical Course

- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period
- ENGL 25700 - Literature of Black America
- ENGL 26000 - Introduction to World Literature: to 1700
- ENGL 26100 - Introduction to World Literature: Since 1700
- ENGL 26200 - Greek and Roman Classics in Translation
- ENGL 26600 - World Literature: From the Beginnings to 1700 A.D.
- ENGL 26700 - World Literature: From 1700 A.D. to the Present
- ENGL 31100 - Identity in Ethnic American Women's Literature
- ENGL 32700 - English Language I: History and Development
- ENGL 33100 - Medieval English Literature
- ENGL 33300 - Renaissance English Literature
- ENGL 33500 - Restoration and Eighteenth-Century English Literature
- ENGL 33700 - Nineteenth-Century English Literature
- ENGL 33900 - Twentieth-Century British Literature
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period
- ENGL 35500 - African American Literature Slavery to 1940
- ENGL 36600 - Postcolonial Literatures
- ENGL 37000 - Nineteenth-Century American Literature
- ENGL 37100 - Twentieth-Century American Literature
- ENGL 37500 - British Drama to 1800, Exclusive of Shakespeare
- ENGL 37700 - Major Modern Poetry
- ENGL 38100 - The British Novel
- ENGL 38200 - The American Novel
- ENGL 38300 - Modern Drama: Ibsen to the Absurdist
- ENGL 38600 - History of Film to 1938
- ENGL 38700 - History of the Film From 1938 to the Present
- ENGL 41300 - Studies in Literature and History
- ENGL 46200 - The Bible as Literature: The Old Testament
- ENGL 46300 - The Bible as Literature: The New Testament
- ENGL 46800 - Problems in the History of Criticism

Choose One Culture Course

- ENGL 25700 - Literature of Black America

- ENGL 28600 - The Movies
- ENGL 31000 - Introduction to Popular Culture
- ENGL 31100 - Identity in Ethnic American Women's Literature
- ENGL 31200 - Ethnic American Women Writers
- ENGL 31800 - Graphic Narrative
- ENGL 32000 - By and About Women
- ENGL 32300 - Sexual Identity in Literature
- ENGL 32400 - International Women's Literature
- ENGL 33600 - Mothers and Daughters in Literature
- ENGL 34000 - Literature By Women of Color
- ENGL 35500 - African American Literature Slavery to 1940
- ENGL 36300 - African American Literature Slavery 1940 to Present
- ENGL 36000 - Gender and Literature
- ENGL 36600 - Postcolonial Literatures
- ENGL 37300 - Science Fiction and Fantasy
- ENGL 41400 - Studies in Literature and Culture
- ENGL 46900 - Issues in Contemporary Criticism and Theory

Choose One Writing Course

- ENGL 30200 - Publications Design
- ENGL 30600 - Introduction to Professional Writing
- ENGL 30900 - Computer-Aided Publishing
- ENGL 31900 - Creative Writing
- ENGL 40000 - Creative Non-Fiction Writing
- ENGL 40600 - Review Writing
- ENGL 40900 - Introduction to Fiction Writing
- ENGL 41000 - Introduction to Creative Nonfiction Writing
- ENGL 41101 - Introduction to Writing in the Health Sciences
- ENGL 41800 - Short Fiction Writing
- ENGL 41900 - Multimedia Writing
- ENGL 42000 - Business Writing
- ENGL 42001 - Careers in English
- ENGL 42100 - Technical Writing
- ENGL 42501 - Writing or New Media
- ENGL 42601 - Writing for Social Media
- ENGL 43000 - Professional Copy Editing
- ENGL 43500 - Topics in Writing for Interactive Digital Media
- ENGL 43600 - Writing for Informational Interactive Media
- ENGL 43700 - Writing for Video Games
- ENGL 45100 - Feature Writing
- ENGL 47000 - Theories of Rhetoric and Composition

Free Electives (27 Credits)

Electives may come from the courses below:

Modern Language (12 Credits)

ASL, French, German, or Spanish at the fourth level

Western Heritage (3 Credits)

Choose one:

- ENGL 26400 - The Bible as Literature
- HIST 10200 - Introduction to the Ancient World
- HIST 10300 - Introduction to the Medieval World
- HIST 10400 - Introduction to the Modern World
- HIST 29000 - Russia: Yesterday, Today, and Tomorrow
- HIST 40300 - Europe in the Reformation
- HIST 40400 - Kings and Philosophers: Europe 1618-1789
- HIST 40500 - The French Revolution and Napoleon
- HIST 40600 - Rebels and Romantics: Europe 1815-1870
- NUR 22200 - Foundations of Holistic Health and Wellness
- PHIL 11000 - Introduction to Philosophy
- PHIL 30100 - History of Ancient Philosophy
- PHIL 30200 - History of Medieval Philosophy
- PHIL 33100
- POL 35000 - Foundations of Western Political Theory: from the Renaissance to Marx
- POL 35300 - Current Political Ideologies

United States Traditions (3 Credits)

Choose one:

- ENGL 25000 - Great American Books
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period
- ENGL 38200 - The American Novel
- GBG 12700 - Development of Business in the United States
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877
- HIST 31005 - The Civil War and Reconstruction, 1850 to 1877
- HIST 35001 - Gettysburg: Three Days That Changed America
- HIST 36700 - 20th Century American History
- HIST 36800 - Episodes in American Religious History
- HIST 37800 - Early National America: 1787-1850
- HIST 38600 - History of American Foreign Relations
- HIST 46000 - American Colonial History
- HIST 46400 - Jacksonian America 1815-1850
- HIST 46700 - The Emergence of Modern America
- HIST 46800 - Recent American History
- NUR 22200 - Foundations of Holistic Health and Wellness

- NUR 34900 - Contemporary Trends in Health Care Systems
- POL 10100 - American Government and Politics
- POL 23300 - Introduction to the Study of Law

Social Ethics (3 Credits)

Choose one:

- ENGL 21600 - Ethics and Literature
- PHIL 11100 - Ethics
- PHIL 32500 - Ethics and Public Health
- SOC 22000 - Social Problems

Racial and Ethnic Diversity (3 Credits)

Choose one:

- ANTH 37900 - Native American Cultures
- ENGL 25700 - Literature of Black America
- HIST 36600 - Hispanic Heritage of the United States
- HIST 40100 - Indigenous Traditions of Latin America
- HIST 46600
- LALS 10100 - Introduction to Latin American Studies
- PSY 33400 - Cross Cultural Psychology
- PSY 33500 - Stereotyping and Prejudice
- SOC 31000 - Racial and Ethnic Diversity
- SPAN 33500 - The Literature of the Spanish-Speaking Peoples in the United States

Literature and the Arts (3 Credits)

Choose one:

- AD 11300 - Basic Drawing
- AD 25500 - Art Appreciation
- AD 38300 - Modern Art
- COM 24000 - Introduction to Oral Interpretation
- ENGL 20100 - The Nature of Literary Study
- ENGL 20500 - Introduction to Creative Writing
- ENGL 22100 - Introduction to Shakespeare
- ENGL 23000 - Great Narrative Works
- ENGL 23100 - Introduction to Literature
- ENGL 23200 - Thematic Studies in Literature
- ENGL 23500 - Introduction to Drama
- ENGL 23700 - Introduction to Poetry
- ENGL 23800 - Introduction to Fiction
- ENGL 23900 - Introduction to Biography

- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period
- ENGL 25000 - Great American Books
- ENGL 25700 - Literature of Black America
- ENGL 26400 - The Bible as Literature
- ENGL 26600 - World Literature: From the Beginnings to 1700 A.D.
- ENGL 26700 - World Literature: From 1700 A.D. to the Present
- ENGL 28600 - The Movies
- ENGL 31100 - Identity in Ethnic American Women's Literature
- ENGL 31800 - Graphic Narrative
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period
- ENGL 35600 - American Humor
- ENGL 36000 - Gender and Literature
- ENGL 37300 - Science Fiction and Fantasy
- ENGL 37900 - The Short Story
- ENGL 38100 - The British Novel
- ENGL 38200 - The American Novel
- ENGL 40700 - Introduction to Poetry Writing
- ENGL 40900 - Introduction to Fiction Writing
- ENGL 41000 - Introduction to Creative Nonfiction Writing
- ENGL 41100 - Studies in Major Authors
- ENGL 44100 - Chaucer's Canterbury Tales
- ENGL 44200 - Shakespeare
- ENGL 44400 - Milton
- ENGL 46900 - Issues in Contemporary Criticism and Theory
- MUS 25000 - Music Appreciation
- PHIL 27500 - The Philosophy of Art
- SPAN 23500 - Spanish American Literature in Translation
- SPAN 24100 - Introduction to the Study of Hispanic Literature
- SPAN 33500 - The Literature of the Spanish-Speaking Peoples in the United States
- THTR 20100 - Theatre Appreciation
- THTR 30800 - The History and Development of the American Musical Theatre
- THTR 34800 - Dramatic Performance in Context

Individual and Society (3 Credits)

Choose one:

- ANTH 10000 - Introduction to Anthropology
- COM 21200 - Approaches to the Study of Interpersonal Communication
- COM 25000 - Mass Communication and Society
- COM 32000 - Small Group Communication
- COM 32400 - Introduction to Organizational Communication
- ECON 21000 - Principles of Economics
- ECON 25200 - Macroeconomics
- ENGL 22700 - Elements of Linguistics

- NUR 21800 - Human Development and Health Promotion
- NUR 22200 - Foundations of Holistic Health and Wellness
- PSY 12000 - Elementary Psychology
- PSY 20000 - Introduction to Cognitive Psychology
- PSY 23500 - Child Psychology
- PSY 24000 - Introduction to Social Psychology
- PSY 25000 - Psychology of Adjustment
- PSY 25100 - Health Psychology
- PSY 35000 - Abnormal Psychology
- SOC 10000 - Introductory Sociology
- SOC 34000 - General Social Psychology
- SOC 35000 - Social Psychology of Marriage
- SOC 36500 - Constructing American Families

Global Cultures (3 Credits)

Choose one:

- ANTH 20500 - Human Cultural Diversity
- ASL 28000 - American Deaf Community: Language, Culture, and Society
- ENGL 26600 - World Literature: From the Beginnings to 1700 A.D.
- ENGL 26700 - World Literature: From 1700 A.D. to the Present
- ENGL 36600 - Postcolonial Literatures
- HIST 10500 - Survey of Global History
- HIST 27100 - Introduction to Colonial Latin American History (1492-1810)
- HIST 27200 - Introduction to Modern Latin American History (1810 to the Present)
- HIST 30501 - Latin American History through Film
- HIST 35201 - Revolution and Revolutionaries in 20th and 21st Century Latin America
- HIST 36110 - Environmental History of Latin America
- HIST 36600 - Hispanic Heritage of the United States
- HIST 40100 - Indigenous Traditions of Latin America
- HIST 42500 - Social and Ecological History of the Andes
- LALS 10100 - Introduction to Latin American Studies
- PHIL 33000
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World
- POL 23200 - Contemporary Crises in International Relations
- POL 32300 - Comparative Environmental Policy
- POL 34500 - West European Democracies in the Post-Industrial Era
- SOC 40300 - Sociology of Developing Countries in Era of Globalization
- SOC 40400 - The Environment and Social Justice
- SOC 40500 - Power, Social Control and the Media
- SOC 40600 - People's Movements and Social Power
- SPAN 23500 - Spanish American Literature in Translation

Gender Issues (3 Credits)

Choose one:

- ANTH 23000 - Gender Across Cultures
- COM 37600 - Communication and Gender
- ENGL 31100 - Identity in Ethnic American Women's Literature
- ENGL 36000 - Gender and Literature
- GBG 45000 - Women in Business
- HIST 36500 - Women in America
- IDIS 10600 - Introduction to Gender Studies
- PHIL 40800 - Philosophy of Love and Friendship
- PSY 23900 - The Psychology of Women
- PSY 36500 - Development of Gender Roles in Children
- SOC 31501 - Gender in Society
- SOC 31700 - Sociology of Sex and Sexualities
- WOST 28000

Total 120 Credits Required

English, English Teaching, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Life Science with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 11000 - Introduction to Philosophy

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- ENGL 31900 - Creative Writing

First-Year Experience (FYE) (3 Credits)

- PHIL 10700 - Freshman Experience -English & Philosophy

Major Core (42 Credits)

- ENGL 20100 - The Nature of Literary Study
- EDFA 20000 - History and Philosophy of Education
- EDPS 22000 - Psychology of Learning
- EDPS 26000 - Introduction to Special Education
- EDCI 35500 - Teaching and Learning K-12 Classroom
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- ECON 10100 - Survey of Economics
- EDCI 34100 - English Teaching in Senior High, Junior High and Middle Schools
- EDCI 32300 - Educational Technology for Teaching and Learning
- EDCI 49700 - Supervised Teaching

Other Required Courses (60 Credits)

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Literature Requirement (39 Credits)

Pre/Co-requisite ENGL 10000 or ENGL 10400 or ENGL 10800 and/or ENGL 20100. Must take 13 courses:

Choose 5 Survey Courses From:

Should be taken in Freshmen/Sophomore years.

- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period (m)
- ENGL 26000 - Introduction to World Literature: to 1700
- ENGL 26100 - Introduction to World Literature: Since 1700
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period

Choose One From:

- ENGL 30800 - Modern English Grammar
- ENGL 31900 - Creative Writing
- ENGL 39100 - Composition for English Teachers
- ENGL 49200 - Literature in the Secondary Schools (Genre)

Choose One Linguistics From:

- ENGL 32600 - English Linguistics
- ENGL 32700 - English Language I: History and Development (Historical)

Choose One Junior/Senior Seminar From:

Should be taken in Junior/Senior years.

- ENGL 41100 - Studies in Major Authors
- ENGL 41200 - Studies in Genre
- ENGL 41300 - Studies in Literature and History
- ENGL 41400 - Studies in Literature and Culture

Should Be Taken in Senior Year

- ENGL 44200 - Shakespeare (Cultural)

- ENGL 40300 - Literary Theory (Cultural)

Physical Science (3 Credits)

- SCI 11200 - Introduction to the Physical Sciences I
- Any Phys Sci
- SCI 11300 - Introduction to the Physical Sciences II
- SCI 14000 - Introduction to Forensic Science
- SCI 15000 - Brewing Science

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World

Total 132 Credits Required

English, English Writing, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Life Science with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 11000 - Introduction to Philosophy

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- PHIL 10700 - Freshman Experience -English & Philosophy

Major Core (90 Credits)

- ENGL 23100 - Introduction to Literature
- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Writing Requirement (36 Credits)

Must take 12 courses from:

- COM 30200 - Publications Design (m)
or
- ENGL 30200 - Publications Design (m)
- COM 45100 - Feature Writing (E X L)
or
- ENGL 45100 - Feature Writing (E X L)
- ENGL 31900 - Creative Writing
- ENGL 40400 - Web Page Design
- ENGL 40600 - Review Writing (m) (E X L)
- ENGL 41101 - Introduction to Writing in the Health Sciences (E X L)
- ENGL 42000 - Business Writing (m)
- ENGL 43100 - Web Usability: Writing and Reading On the Web (E X L)
- ENGL 43600 - Writing for Informational Interactive Media (E X L)
- ENGL 43700 - Writing for Video Games (m) (E X L)
- ENGL 42501 - Writing or New Media
- ENGL 43500 - Topics in Writing for Interactive Digital Media

Additional Math or Science Course (3 Credits)

- PHIL 15000 - Principles of Logic
or
- choose any MA (except MA 11500), STAT, SCI, or CIS course.

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing

- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Free Electives (24 Credits)

Total 120 Credits Required

Master of Arts

English, MA

English, MA

Special Admission Requirements

- Writing sample
- Strong undergraduate major or minor in English or equivalent

Program Requirements

- ENGL 50100 - Introduction to English Studies
- Thirty (30) additional credits at the graduate level.

English Electives

A student may take a combination of up to six hours credit in either two non-English graduate courses or one non-English graduate course and one English course at the 40000 level. The student must take MA Comprehensive Exams or write a MA thesis (see below).

Exam and Thesis Options

Every MA student must either write a thesis or pass comprehensive exams.

1. Comprehensive Exams - Exams are given to students in their final semester in the MA program based on their coursework. A plan of study must be submitted to the Graduate School Office one semester prior to writing MA exams.
2. Thesis - The student should choose a professor to serve as thesis chair and two other professors to serve on the thesis committee, and complete ENGL 59000 (a directed study preparing a bibliography and prospectus) and ENGL

69800 (writing the thesis). These courses count as credits towards the degree. Please see the Department of English and Philosophy's website for additional information about admission and remaining in good standing with the department.

Total 33 Credits Required

Department of History and Philosophy

Bachelor of Arts

History, BA

The Purdue University Northwest Bachelor of Arts degree in History meets the general guidelines of the American Historical Association. Earning a Bachelor's degree in History will open many opportunities. Graduates with degrees in History will be well suited to pursue careers as researchers, curators, archivists, entrepreneurs, business managers and in government service. The degree also prepares students well for graduate school, MBA programs and law school. Students earning a degree in History will gain essential critical thinking skills, expertise in writing and communication, research capabilities and analytical skills that potential employers find essential in the workplace.

A special feature of the program is its Research Seminar, which will provide students with the opportunity to delve into and investigate local historical societies or other archives. Upon completion of their investigations, students will have an opportunity to present their work.

PNW history students may apply for membership in the Phi Alpha Theta national history honor society, which provides students with an opportunity for recognition of excellence, and allow them to participate in regional and national research conferences and be eligible for various scholarships, awards and recognition.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 12301 - Mathematical Ideas
- STAT 11300 - Statistics and Society
- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- CNIT 10700 - Computers and Software Packages

Humanities (3 Credits)

- HIST 15100 - American History to 1877

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

First-Year Experience (FYE) (3 Credits)

- HIST 10600 - Introduction to History and Social Studies
or
- GS 19100 - First-Year Experience I

Major Core (39 Credits)

- HIST 10500 - Survey of Global History
- POL 10100 - American Government and Politics
- HIST 10400 - Introduction to the Modern World
- HIST 29501 - Introduction to Historiography
- AD 25500 - Art Appreciation

- EAS 10000 - Planet Earth
or
- FN 30300 - Essentials of Nutrition

- ECON 10100 - Survey of Economics
or
- ECON 21000 - Principles of Economics
- PHIL 11100 - Ethics
- ENGL 23100 - Introduction to Literature
- SOC 31501 - Gender in Society
or
- WOST 12100 - Introduction to Women's Studies
- POL 13000 - Introduction to International Relations
- SOC 31000 - Racial and Ethnic Diversity
or
- SOC 31400 - Race and Ethnic Relations
- HIST 49500 - Research Seminar in Historical Topics

Other Required Courses (51 Credits)

Foreign Language (12 Credits)

Must complete 4 semesters of the same foreign language.

Level I Course (m) (3 Credits)

Choose from:

- SPAN 10100 - Spanish Level I
- FR 10100 - French Level I
- GER 10100 - German Level I
- JPNS 10100 - Japanese Level I

Level II Course (3 Credits)

Choose from:

- SPAN 10200 - Spanish Level II
- FR 10200 - French Level II
- GER 10200 - German Level II
- JPNS 10200 - Japanese Level II

Level III Course (3 Credits)

Choose from:

- SPAN 20100 - Spanish Level III
- FR 20100 - French Level III
- GER 20100 - German Level III
- JPNS 20100 - Japanese Level III

Level IV Course (3 Credits)

Choose from:

- SPAN 20200 - Spanish Level IV
- FR 20200 - French Level IV
- GER 20200 - German Level IV
- JPNS 20200 - Japanese Level IV

US History Electives (6 Credits)

30000 level US History courses have a prerequisite of HIST 15100 or HIST 15200. Other courses may be approved by the program advisor.

Non-US History Electives (6 Credits)

30000 level US History courses have a prerequisite of HIST 15100 or HIST 15200. Other courses may be approved by the program advisor.

History Free Electives (12 Credits)

30000 level or above

Free Electives (15 Credits)

Total 120 Credits Required

History, Social Studies Education, BA

The Purdue University Northwest Bachelor of Arts in History with a concentration in Social Studies Education is housed within the department of History and Philosophy. This program, cooperatively developed and supported by the department and the PNW School of Education and Counseling, is specifically designed to provide preparation for teachers of social studies. In alignment with standards set by the state of Indiana Department of Education, students each specialize in the teaching of historical perspectives, and additionally choose at least two of the following areas of specialization: Economics, Government and Citizenship, Psychology, and Sociology.

Graduates of our program have gone on to become excellent teachers, earning awards and successfully changing the lives of students in Indiana and beyond through social studies education.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- HIST 15100 - American History to 1877

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits - Life Science (3 Credits)

- SCI 10300 - Survey of the Biological World

- SCI 10400 - Introduction to Environmental Biology
- SCI 10500 - Invitation to Human Biology
- SCI 11400 - Introduction to Life Science

First-Year Experience (FYE) (3 Credits)

- HIST 10600 - Introduction to History and Social Studies

Major Core (57 Credits)

- HIST 10500 - Survey of Global History
- EDPS 26000 - Introduction to Special Education
- EDFA 20000 - History and Philosophy of Education
- HIST 11000 - The Pre-Modern World
- ENGL 23100 - Introduction to Literature
- EDPS 22000 - Psychology of Learning
- HIST 15200 - United States Since 1877
- POL 10100 - American Government and Politics
- ECON 10100 - Survey of Economics
- HIST 29500 - Research and Writing in History
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 35500 - Teaching & Learning in K-12 Classroom Credit Hours: 3.00
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- EDCI 34700 - Strategies of Social Studies Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49700 - Supervised Teaching

Other Required Courses (57 Credits)

Foreign Language (12 Credits)

French, Spanish, German

Philosophy (3 Credits)

Any 10000 level, except PHIL10500

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation

- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

History Elective (3 Credits)

Any 30000 level

History Elective (Non-American) (6 Credits)

Any 3000 level History course.

- HIST 30600 - The United States in 1960's
- HIST 31600 - History of Architecture II
- HIST 32500 - History of Crime in America
- HIST 33600 - History of Organized Crime in America
- HIST 36500 - Women in America
- HIST 37400 - United States Economic History
- HIST 41000 - Community Preservation Project
- HIST 42600 - History of United States-China Relations
- HIST 55300 - Colonial America, 1600-1776
- HIST 56400
- HIST 58400 - Social History of the United States
- or any non-American History course approved by the department.
- HIST 39300 - Historical Geography recommended.

Intense Area 2 and 3 (30 Credits)

Choose 15 credit hours in two of the following intense areas:

Economics

- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics

Plus 3 of the Following:

- ECON 31100 - Environmental Economics
- ECON 35200 - Intermediate Macroeconomics
- ECON 37500 - United States Economic History
- ECON 38000 - Money and Banking
- ECON 41900 - Managerial Economics
- ECON 43400 - International Trade
- ECON 46500 - Economic Forecasting Techniques
- HIST 37400 - United States Economic History

Government

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World
- POL 20000 - Introduction to the Study of Political Science
- Plus two 30000 level or higher courses as approved by the department.

Psychology

- POL 12000 - Introduction to Public Policy and Public Administration
- POL 36100
- POL 36200
- SOC 33900 - Introduction to the Sociology of Developing Nations
- SOC 34000 - General Social Psychology
- PSY 34400 - Human Sexuality
- PSY 42800 - Drugs and Behavior
- Plus one 30000 level or higher PSY course.

Sociology

- SOC 10000 - Introductory Sociology
- SOC 22200
- plus three 30000 level or higher SOC courses.

Total 144 Credits Required

Philosophy, BA

Literally, philosophy means "love of wisdom." A good working definition might be "the search for truth," because philosophy concerns itself with questions and problems that we as humans have long considered, including questions about our place in the universe, the meaning of a good life, and the nature and value of knowledge.

Because they are often focused on their future careers, few students begin college with the intention of majoring in philosophy. Those who do choose philosophy as a major usually switch from something else, such as management or political science, or they might add philosophy as a second major. They switch because they discover the value of a good education in philosophy.

A major in philosophy helps to develop a variety of important skills which contribute to professional success. These include analytical thinking, abstract reasoning, and problem-solving, useful in every professional career; the ability to build an argument (highly valued by law schools); clarity of communication both written and spoken; and an increased awareness of human solutions to a variety of human problems. Philosophy is therefore excellent training for many careers and also for graduate school preparation.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 11000 - Introduction to Philosophy
or
- PHIL 11100 - Ethics

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

First-Year Experience (FYE) (3 Credits)

- PHIL 10700 - Freshman Experience -English & Philosophy

Major Core (90 Credits)

Introductory Philosophy (3 Credits)

- PHIL 10100 - The History of Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Logic (3 Credits)

- PHIL 15000 - Principles of Logic
- PHIL 12000 - Critical Thinking
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Ethics (3 Credits)

- PHIL 11000 - Introduction to Philosophy
- PHIL 32400 - Ethics for the Professions
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Ethics for the Professions (3 Credits)

- PHIL 32400 - Ethics for the Professions
- PHIL 11100 - Ethics
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Metaphysics/Epistemology (6 Credits)

Choose two:

- PHIL 20600 - Philosophy of Religion
- PHIL 21900 - Introduction to Existentialism
- PHIL 22100 - Introduction to Philosophy of Science
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

History of Philosophy (6 Credits)

Choose two:

- PHIL 30100 - History of Ancient Philosophy
- PHIL 30300 - History of Modern Philosophy
- PHIL 22100 - Introduction to Philosophy of Science
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Philosophy Elective/Advanced Topics in Philosophy (6 Credits)

Students must take at least two PHIL 49000 (preferably in semesters 7 and 8).

- PHIL 49000 - Advanced Topics in Philosophy

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Literature (3 Credits)

- ENGL 20100 - The Nature of Literary Study
- or
- ENGL 23100 - Introduction to Literature

Political Science (3 Credits)

- POL 10100 - American Government and Politics

Economics (3 Credits)

- ECON 10100 - Survey of Economics

Math, Statistics, Science, or Computer Course (3 Credits)

Choose any MA (except MA 11500), STAT, SCI, or CIS course. CIS 20400 is highly recommended to meet general education requirements.

Free Elective EXL (3 Credits)

Any EXL Course

Free Electives (27 Credits)

Total 120 Credits Required

Master of Arts

History, MA

The Purdue University Northwest Master's degree program in History is designed to stimulate critical thinking, broaden historical knowledge, and enhance research and analytical writing skills. The program is well-suited for social studies and history teachers who wish to enhance their teaching by keeping current in their fields, in addition to students who wish to continue their studies at the Ph.D. level. Critical thinking, research, and analytical skills acquired through this program also prepare students for careers in business, law, public policy, and government.

Special Admission Requirements

- Scores from the Graduate Record Exam or GRE (at the discretion of the department) may be required. The GRE is mandated for students with an undergraduate GPA below 3.0/4.0.
- An undergraduate History major or a strong minor.
- Completion of the application process (submission of official transcripts of all undergraduate work, three recommendations, a 300 to 500-word essay on why the student wishes to attend graduate school and a completed on-line application form). The student may take as many as 12 credits in a temporary or post-baccalaureate status prior to being admitted to the program.

Program Requirements for Non-Thesis Option

Primary Area (27 Credits)

Related Area (6 Credits)

Related areas need not be in History. All classes must be 50000- or 60000-level.

History Electives

At least 12 credits of History at 60000 level. Written and/or oral comprehensive examinations after completion of coursework.

Program Requirements for Thesis Option

Primary Area (24-27 Credits)

Related Area (6 Credits)

Related areas need not be in History. All classes must be 50000- or 60000-level.

History Electives

At least 9 credits of History at 60000 level, plus HIST 69800 - Research MA Thesis. Written and/or oral comprehensive examinations after completion of coursework. Completion of a thesis, and defense of thesis in accordance with criteria of the Graduate School.

Transfer of Credit

No more than two courses from another accredited institution.

Total 33 Credits Required

Department of Political Science, Economics, and World Languages and Cultures

Bachelor of Arts

Foreign Language, French Teaching, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

- SCI 10500 - Invitation to Human Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- ENGL 23100 - Introduction to Literature

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- POL 10100 - American Government and Politics

First-Year Experience (FYE) (3 Credits)

- FLL 10300

Major Core (51 Credits)

- FR 10100 - French Level I
- FR 10200 - French Level II
- FR 20100 - French Level III
- FR 20200 - French Level IV
- EDFA 20000 - History and Philosophy of Education
- EDPS 22000 - Psychology of Learning
- EDPS 26000 - Introduction to Special Education
- ECON 10100 - Survey of Economics
- EDCI 35500 - Teaching and Learning K-12 Classroom
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- EDCI 34200 - Strategies of Foreign Language Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49700 - Supervised Teaching

Other Required Courses (45 Credits)

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Physical Science (3 Credits)

Any Phys. Sci. course

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

French Requirement (27 Credits)

Must take 9 courses from the following:

- FR 26100 - French Composition
- FR 36500 - French Conversation
- FR 46100 - Intermediate French Composition
- FR 46500 - Intermediate French Conversation
- FR 51100 - Advanced French Conversation

French Literature

Two French Literature courses:

- FR 40500 - Introduction to French Literature I
- FR 40600 - Introduction to French Literature II
or
- FR 39000 - Special Topics in French
or
- FR 49000 - Topics in French

French Culture

- FR 35000

French Civilization

- FR 45000 - French Civilization

French Electives (6 Credits)

Choose two from:

- FR 30700 - Commercial French
- FR 39000 - Special Topics in French
- FR 49000 - Topics in French
- FR 51500 - Advanced French Composition

Total 126 Credits Required

Foreign Language, French, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Life Science with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- HIST 10400 - Introduction to the Modern World

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- FLL 10300 - Freshman Experience Worldviews

Major Core (90 Credits)

- FR 10100 - French Level I
- FR 10200 - French Level II
- FR 20100 - French Level III
- FR 20200 - French Level IV
- ECON 10100 - Survey of Economics
- ENGL 23100 - Introduction to Literature

French Requirement (33 Credits)

Must take 11 courses:

- FR 26100 - French Composition
- FR 36500 - French Conversation
- FR 46100 - Intermediate French Composition
- FR 46500 - Intermediate French Conversation
- FLL 31100 - French Cinema - Introduction to Film Study (should be taken during semesters 3 and 4)
- FLL 36100 (should be taken during semesters 3 and 4)
- FR 49900 - French Senior Project (should be taken in Senior year)

Select One of the Following:

- FR 35000 - French Culture
- FR 45000 - French Civilization
- FR 30700 - Commercial French

French Literature

One course from:

- FR 40500 - Introduction to French Literature I
- FR 40600 - Introduction to French Literature II
- FR 39000 - Special Topics in French
- FR 49000 - Topics in French with French Literature topic.

French Electives

Any (2) FR 30000 level or higher not already used to fulfill the French Requirements listed above.

Additional Math or Science Course (3 Credits)

Choose 1 from:

- Any MA (except MA 11500), STAT, SCI, CIS course
or
- PHIL 15000 - Principles of Logic
- CIS 20400 - Introduction to Computer-Based Systems is highly recommended to fulfill general education requirements.

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Free Elective EXL (3 Credits)

One free elective must be an EXL course. Recommend Study Abroad in France the summer before senior year.

Free Electives or Minor (24 Credits)

Any course 10000 level or higher or select a minor.

Total 120 Credits Required

Foreign Language, Spanish Teaching, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

- SCI 10500 - Invitation to Human Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- POL 10100 - American Government and Politics

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Any Physical Science Course

First-Year Experience (FYE) (3 Credits)

- FLL 10300 - Freshman Experience Worldviews

Major Core (51 Credits)

- SPAN 10100 - Spanish Level I
- SPAN 10200 - Spanish Level II
- SPAN 20100 - Spanish Level III
- SPAN 20200 - Spanish Level IV
- EDFA 20000 - History and Philosophy of Education
- EDPS 22000 - Psychology of Learning
- EDPS 26000 - Introduction to Special Education
- ECON 10100 - Survey of Economics
- EDCI 35500 - Teaching and Learning K-12 Classroom
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- EDCI 34200 - Strategies of Foreign Language Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49700 - Supervised Teaching

Other Required Courses (42 Credits)

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Spanish Requirement (33 Credits)

Must take 11 courses:

Spanish Non-Heritage Speakers Must Take:

- SPAN 26100 - Spanish Composition
- SPAN 30400 - Readings from the Hispanic World
- SPAN 30600 - Spanish Grammar
- SPAN 36500 - Spanish Conversation
- SPAN 46100 - Intermediate Spanish Composition
- SPAN 46500 - Intermediate Spanish Conversation
- SPAN 40500 - Introduction to Spanish Literature I
or
- SPAN 40600 - Introduction to Spanish Literature II
- SPAN 43500 - Spanish American Literature to Modernism
or
- SPAN 43600 - Spanish American Literature from Modernism to Present
- SPAN 45100 - Spanish Civilization
or
- SPAN 48100 - Spanish Culture

- SPAN 48200 - Latin American Civilization
or
- SPAN 41300 - Culture of Spanish -Speaking Americans
- FLL 36100

Spanish Heritage Speakers Must Take:

- SPAN 31300 - Spanish for Spanish Speakers I
- SPAN 31400 - Spanish for Spanish Speakers II
- SPAN 30400 - Readings from the Hispanic World
- SPAN 30600 - Spanish Grammar
- SPAN 40500 - Introduction to Spanish Literature I
or
- SPAN 40600 - Introduction to Spanish Literature II
- SPAN 43500 - Spanish American Literature to Modernism
or
- SPAN 43600 - Spanish American Literature from Modernism to Present
- SPAN 45100 - Spanish Civilization
or
- SPAN 48100 - Spanish Culture
- SPAN 48200 - Latin American Civilization
or
- SPAN 41300 - Culture of Spanish -Speaking Americans
- SPAN 51100 - Advanced Spanish Conversation
- SPAN 51500 - Advanced Spanish Composition
- FLL 36100

Total 123 Credits Required

Foreign Language, Spanish, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Life Science with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- HIST 10400 - Introduction to the Modern World

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- FLL 10300 - Freshman Experience Worldviews

Major Core (90 Credits)

- SPAN 10100 - Spanish Level I

- SPAN 10200 - Spanish Level II
- SPAN 20100 - Spanish Level III
- SPAN 20200 - Spanish Level IV
- ECON 10100 - Survey of Economics
- ENGL 23100 - Introduction to Literature

Spanish Requirement (33 Credits)

Must take 11 courses:

Spanish Non-Heritage Speakers Must Take:

- SPAN 26100 - Spanish Composition
- SPAN 30400 - Readings from the Hispanic World
- SPAN 30600 - Spanish Grammar
- SPAN 30700 - Commercial Spanish
- SPAN 36500 - Spanish Conversation

- SPAN 40500 - Introduction to Spanish Literature I
or
- SPAN 40600 - Introduction to Spanish Literature II
or
- SPAN 43500 - Spanish American Literature to Modernism
or
- SPAN 43600 - Spanish American Literature from Modernism to Present

- SPAN 45100 - Spanish Civilization
or
- SPAN 48100 - Spanish Culture

- SPAN 46100 - Intermediate Spanish Composition
- SPAN 46500 - Intermediate Spanish Conversation

- SPAN 48200 - Latin American Civilization
or
- any Latin American culture or civilization

- FLL 36100

Spanish Heritage Speakers Must Take:

- SPAN 30400 - Readings from the Hispanic World
- SPAN 30600 - Spanish Grammar
- SPAN 30700 - Commercial Spanish
- SPAN 31300 - Spanish for Spanish Speakers I (m)
- SPAN 31400 - Spanish for Spanish Speakers II (m)

- SPAN 40500 - Introduction to Spanish Literature I
or
- SPAN 40600 - Introduction to Spanish Literature II
or
- SPAN 43500 - Spanish American Literature to Modernism
or
- SPAN 43600 - Spanish American Literature from Modernism to Present

- SPAN 45100 - Spanish Civilization
or
- SPAN 48100 - Spanish Culture

- SPAN 48200 - Latin American Civilization
or
- any Latin American culture or civilization

- SPAN 51100 - Advanced Spanish Conversation
- SPAN 51500 - Advanced Spanish Composition
- FLL 36100

Additional Math or Science Course (3 Credits)

Choose 1 course from:

- Any MA (except MA 11500), STAT, SCI, CIS course
or
- PHIL 15000 - Principles of Logic

- CIS 20400 - Introduction to Computer-Based Systems is highly recommended to fulfill general education requirements.

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Free Elective EXL (3 Credits)

One free elective must be an EXL course. Recommend Study Abroad in Spain the summer before senior year.

Free Electives or Minor (24 Credits)

Any course 10000 level or higher or select a minor.

Total 120 Credits Required

Political Science, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Any 10000 level History course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

First-Year Experience (FYE) (3 Credits)

- POL 20000 - Introduction to the Study of Political Science

Major Core (27 Credits)

- POL 10100 - American Government and Politics
- ENGL 23100 - Introduction to Literature
- POL 20200 - Introduction to Political Theory
- POL 13000 - Introduction to International Relations
- POL 30000 - Introduction to Political Analysis
- FN 30300 - Essentials of Nutrition
- ECON 10100 - Survey of Economics
- POL 49100 - Political Science Senior Seminar
- POL 40100 - Practicum in Local Government

Other Required Courses (63 Credits)

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Philosophy (3 Credits)

Choose any 10000 level PHIL course except PHIL 15000.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

American Political Science Elective (3 Credits)

- POL 10000 - American Public Affairs
- POL 19000 - The Politics of Change
- POL 30600 - The United States in the 1960's
- POL 31100 - Congress and the President
- POL 31500 - Public Opinion and Elections
- POL 33000 - Politics of Lake County
- POL 34600 - Law and Society
- POL 35400 - Civil Liberties and the Constitution
- POL 36400 - Law, Ethics, and Public Policy
- POL 37200 - Indiana Government and Politics
- POL 41100 - Congress: Structure and Functioning
- POL 46000 - Judicial Politics
- POL 46100 - Constitutional Law I
- Other courses may be approved by the program advisor.

POL International Relations (3 Credits)

- POL 30900 - The Middle East
- POL 43300 - International Organization
- POL 43500 - International Law
- POL 43900 - United States Foreign Policy Making
- and other courses as approved by the program advisor.

POL Theory (3 Credits)

- POL 33000 - Politics of Lake County
- POL 34900 - Intro to Jewish Studies
- POL 35300 - Current Political Ideologies
- POL 38800 - The World of Ideas I
- POL 38900 - The World of Ideas II
- POL 40400 - United States Policy Making Elite

- and other courses as approved by the program advisor.

Political Science Elective (12 Credits)

Any POL course 30000 +

Free Electives (24 Credits)

Total 120 Credits Required

Department of Psychology

Bachelor of Arts

Psychology, General Psychology, BA

Degree Requirements

PNW General Education Core (34 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (6 Credits)

- SCI 10500 - Invitation to Human Biology
or
- BIOL 10100 - Introductory Biology
- and one BIOL, CHM, PHYS, or SCI course

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- any Computer Utilization course

Humanities (3 Credits)

Any English Lit course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Any 10000 level History course

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (30 Credits)

- BHS 20100 - Statistical Methods for the Behavioral Sciences
- PSY 20300 - Introduction to Research Methods in Psychology
- PSY 20500 - Testing and Measurement
- PSY 33900 - Advanced Social Psychology
- PSY 32200 - Neuroscience of Motivated Behavior
- PSY 31400 - Introduction to Learning
- ECON 10100 - Survey of Economics
- PSY 31100 - Human Memory
- PSY 48000 - Field Experience in Psychology

- PSY 43000 - Systems and Theories of Psychology

Other Required Courses (56 Credits)

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Aesthetics (3 Credits)

The Department of Behavioral Sciences accepts the following:

- AD 25500 - Art Appreciation
- ENGL 40500
- ENGL 38600 - History of Film to 1938
- ENGL 28600 - The Movies
- MUS 25000 - Music Appreciation
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course, except PHIL 15000

Political Science (3 Credits)

Any 10000 level POL course

Psychology Electives (15 Credits)

30000 level or above

Electives (20 Credits)

Free Electives/Minor Requirement

Total 120 Credits Required

Bachelor of Science

Psychology, BS

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (3 Credits)

Select a course from any Core list, except FYE

First-Year Experience (FYE) (3 Credits)

- GS 19100 - First-Year Experience I

Supplemental Core (36 Credits)

Foreign Language (12 Credits)

(credit in the fourth semester required)

American Sign Language, German, Spanish

U.S. Tradition (3 Credits)

- HIST 15100 - American History to 1877
- POL 10100 - American Government and Politics

Western Heritage (3 Credits)

- HIST 10400 - Introduction to the Modern World
- PHIL 11000 - Introduction to Philosophy

Global Cultures (3 Credits)

- HIST 10500 - Survey of Global History
- PHIL 23100 - Religions of the West
- POL 34500 - West European Democracies in the Post-Industrial Era

Literature and the Arts (3 Credits)

- AD 11300 - Basic Drawing
- MUS 25000 - Music Appreciation
- THTR 20100 - Theatre Appreciation

Racial and Ethnic Diversity (3 Credits)

- ANTH 37900 - Native American Cultures
- HIST 40100 - Indigenous Traditions of Latin America
- SOC 31000 - Racial and Ethnic Diversity

Gender Issues (3 Credits)

- ANTH 23000 - Gender Across Cultures
- PHIL 40800 - Philosophy of Love and Friendship

- SOC 31501 - Gender in Society

Social Ethics (3 Credits)

- PHIL 11100 - Ethics
- SOC 22000 - Social Problems

Individual and Society (3 Credits)

- ANTH 10000 - Introduction to Anthropology
- COM 25000 - Mass Communication and Society

Major Core (33 Credits)

- PSY 12000 - Elementary Psychology
- PSY 20100 - Introduction to Statistics in Psychology
- PSY 20300 - Introduction to Research Methods in Psychology
- PSY 24000 - Introduction to Social Psychology
- PSY 32500 - Professional and Ethical Issues in Psychology
- PSY 34200 - Introduction to Psychology of Personality
- PSY 35000 - Abnormal Psychology
- PSY 36000 - Developmental Psychology
- PSY 37500 - Approaches to Counseling and Psychotherapy
- PSY 49200 - Internship in Psychology
- PSY 49800 - Senior Research

Psychology Tracks (6 Credits)

Choose one:

Developmental Psychology Track

- PSY 23500 - Child Psychology
- PSY 36700 - Adult Development and Aging

Forensic Psychology Track

- PSY 20200 - Introduction to Quantitative Topics in Psychology
- PSY 33200 - Forensic Psychology

Cognitive Psychology Track

- PSY 20000 - Introduction to Cognitive Psychology
- PSY 31100 - Human Memory

General Psychology Track

- Psychology Class 200 level + Credit Hours: 3.00
- Psychology Class 300 level + Credit Hours: 3.00

Electives (15 Credits)

Additional Psychology courses offered

Total 120 Credits Required

School of Education and Counseling

Bachelor of Arts

Elementary Education, Reading, BA

You can earn a Bachelor of Arts degree in Elementary Education at Purdue University Northwest. A student must meet Gate requirements in order to proceed with their education degree. One requirement of the Gate System is the successful completion of the CASA tests. The degree meets licensing requirements of the Indiana Professional Standards Board and the Purdue University School of Education. It includes a 16-week student teaching requirement, completed at an area elementary school.

Degree Requirements

PNW General Education Core (31 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 13700 - Mathematics for Elementary Teachers I

Natural Sciences (4 Credits)

- BIOL 14300 - Current Topics in Modern Biology

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Humanities (3 Credits)

- ENGL 20100 - The Nature of Literary Study
- ENGL 23100 - Introduction to Literature
- ENGL 23800 - Introduction to Fiction
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology
or
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- MA 13800 - Mathematics for Elementary Teachers II

First-Year Experience (3 Credits)

- EDST 20000 - History and Philosophy of Education

Major Core (89 Credits)

- AD 23800 - Integrated Fine Arts
- CHM 21400 - Chemistry for Elementary Education
or
- CHM 10300 - Chemistry & Society

or

- CHM 11100 - General Chemistry
- EAS 13000 - Introductory Earth Science for Elementary Education
- EAS 39100 - Topics in Earth and Atmospheric Sciences
- or
- BIOL 32400 - Natural History of the Smoky Mountains
- or
- BIOL 32500 - Natural History of North West Indiana
- EDCI 20500 - Exploring Teaching as a Career
- EDCI 28500 - Multiculturalism and Education
- EDCI 31000 - Literacy and the Young Child
- EDCI 32200 - English for New Language Learners
- EDCI 36100 - Social Studies in the Elementary School
- EDCI 36201 - Literacy Instruction in K-3 Classrooms
- EDCI 36202 - Literacy Instruction in 4-6 Classrooms
- EDCI 36300 - Literacy in the Elementary School II
- EDCI 36400 - Mathematics in the Elementary School
- EDCI 36500 - Science in the Elementary School
- EDCI 46500 - Assessment in the Elementary School
- EDCI 49600 - Student Teaching in the Elementary School
- EDPS 23500 - Learning and Motivation
- EDPS 26500 - The Inclusive Classroom
- EDPS 43000 - Creating and Managing Learning Environments
- ENGL 22700 - Elements of Linguistics
- HIST 10200 - Introduction to the Ancient World
- or
- HIST 10300 - Introduction to the Medieval World
- or
- HIST 10400 - Introduction to the Modern World
- or
- HIST 10500 - Survey of Global History
- HIST 15100 - American History to 1877
- or
- HIST 15200 - United States Since 1877
- HK 32400 - Health, Wellness, and Physical Education
- MA 13900 - Mathematics for Elementary Teachers III
- PHYS 21300 - Physics for Elementary Education
- PSY 23500 - Child Psychology
- or
- SOC 22000 - Social Problems

Total 120 Credits Required

Elementary Education, Special Needs, BA

Degree Requirements

PNW General Education Core (31 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 13700 - Mathematics for Elementary Teachers I

Natural Sciences (3 Credits)

- SCI 31500 - Environmental Science for Elementary Education

Technology (3 Credits)

- EDCI 32300 - Educational Technology for Teaching and Learning

Social Sciences (3 Credits)

- EDPS 22000 - Psychology of Learning

Humanities (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy

Additional Credits (6 Credits)

- MA 13800 - Mathematics for Elementary Teachers II
- MA 13900 - Mathematics for Elementary Teachers III

First-Year Experience (1 Credit)

- EDPS 49100 - Topics and Issues in Education

Major Core (66 Credits)

- EDFA 20000 - History and Philosophy of Education
- EDPS 26000 - Introduction to Special Education
- POL 10100 - American Government and Politics
- EDCI 35500 - Teaching and Learning K-12 Classroom
- EDCI 31100 - Media for Children
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 45000 - Teaching Students with Disabilities
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- EDCI 32100 - Literacy and the Young Child
- EDCI 30400 - Literacy and Middle Childhood
- EDCI 31600 - Teaching Social Studies in the Elementary School
- EDCI 30001 - Lifelong Health and Wellness for Teachers and Children
- EDPS 43000 - Creating and Managing Learning Environments
- EDCI 31500 - Teaching Mathematics in the Elementary School
- EDCI 31700 - Teaching Science in the Elementary School
- EDPS 38000 - Special Education Law for Teachers
- EDCI 49700 - Supervised Teaching
- EDCI 49900 - Supervised Teaching or Practicum in an Endorsement Area

Other Required Courses (30 Credits)

Science Courses (9 Credits)

May be taken in any order.

- SCI 11200 - Introduction to the Physical Sciences I
- SCI 11300 - Introduction to the Physical Sciences II
- SCI 11400 - Introduction to Life Science is only offered during fall and Maymester.

History Courses (9 Credits)

May be taken in any order.

- HIST 10400 - Introduction to the Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Foreign Language (3 Credits)

3rd semester foreign language only unless ASL (American Sign Language). Required to complete up through level 3 (20100).

Art or Music Activities for the Classroom (4 Credits)

- AD 20300 - Art Activities for Elementary Teachers
- MUS 20300 - Music for Elementary Teachers

Free Electives (5 Credits)

Total 127 Credits Required

Bachelor of Science

Early Childhood Education, Reading, BS

Purdue University Northwest offers a degree in Early Childhood Education which prepares candidates for the Indiana initial teaching license, Early Childhood Generalist, Prek- Grade 3. Through course work, field experiences, practicum and student teaching, candidates gain knowledge, acquire skills and develop dispositions to effectively integrate theory with practice, as outlined in the National Association for the Education of Young Children Professional Preparation Standards. Graduates of the program are highly qualified early childhood professionals committed to supporting families and providing all children with developmentally appropriate learning environments and instruction. Formal admission to the program is required, including passage of the basic skills assessment in math, reading and writing (CASA).

Degree Requirements

PNW General Education Core (31 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 13700 - Mathematics for Elementary Teachers I

Natural Sciences (4 Credits)

- BIOL 14300 - Current Topics in Modern Biology

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Humanities (3 Credits)

- ENGL 20100 - The Nature of Literary Study
- ENGL 23100 - Introduction to Literature
- ENGL 23800 - Introduction to Fiction
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 13800 - Mathematics for Elementary Teachers II

First-Year Experience (3 Credits)

- EDST 27000 - Early Childhood Education

Major Core (89 Credits)

- CHM 21400 - Chemistry for Elementary Education

- HIST 15100 - American History to 1877
or
- HIST 15200 - United States Since 1877

- HIST 10200 - Introduction to the Ancient World
or
- HIST 10300 - Introduction to the Medieval World
or
- HIST 10400 - Introduction to the Modern World
or
- HIST 10500 - Survey of Global History

- EDCI 27600 - Child, Family, School and Community Partnerships
- EDPS 23600 - Developmental Theory and Practice in Early Childhood Education
- EDPS 27600 - Young Children with Exceptional Needs
- EDCI 31100 - Media for Children
- MA 13900 - Mathematics for Elementary Teachers III
- PHYS 21300 - Physics for Elementary Education
- ENGL 22700 - Elements of Linguistics
- PSY 23500 - Child Psychology
- EDPS 27500 - Observation, Assessment and Documentation
- EDCI 36201 - Literacy Instruction in K-3 Classrooms
- EDCI 32200 - English for New Language Learners

- EAS 13000 - Introductory Earth Science for Elementary Education
or
- EAS 39100 - Topics in Earth and Atmospheric Sciences
or
- BIOL 32400 - Natural History of the Smoky Mountains
or
- BIOL 32500 - Natural History of North West Indiana

- EDPS 27700 - Nurturing and Guiding the Young Child
- EDCI 31000 - Literacy and the Young Child
- EDCI 37100 - Integrated Curriculum in Early Childhood: Creative and Affective Domains
- EDCI 37200 - Integrated Curriculum in Early Childhood: Cognitive Domains
- HK 27200 - Health, Safety and Nutrition for Young Children
- EDCI 47000 - Practicum and Seminar in Early Childhood Programs
- EDCI 36300 - Literacy in the Elementary School II
- EDCI 37400 - Science and Math in Kindergarten and Primary Grades
- EDCI 49600 - Student Teaching in the Elementary School

Total 120 Credits Required

Secondary Education, Chemistry, BS

Degree Requirements

PNW General Education Core (39 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (10 Credits)

- MA 16700 - Plane Analytical Geometry & Calculus I
- MA 16900 - Plane Analytical Geometry and Calculus II

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Humanities (3 Credits)

- EDST 20000 - History and Philosophy of Education

First-Year Experience (3 Credits)

- EDCI 10500 - Introduction to Teaching

Major Core (85 Credits)

- EDCI 10500 - Introduction to Teaching
- CHM 26100 - Organic Chemistry
- CHM 26300 - Organic Chemistry Laboratory
- MA 26100 - Multivariate Calculus
- EDCI 20500 - Exploring Teaching as a Career
- PHYS 15200 - Mechanics
- CHM 26200 - Organic Chemistry
- CHM 26400 - Organic Chemistry Laboratory
- EDCI 28600 - Multiculturalism In Secondary Schools
- PHYS 26100 - Electricity and Optics
- CHM 32100 - Analytical Chemistry I
- EDPS 30600 - Adolescent and Young Adult Development
- EDPS 30700 - Classroom Climate in Secondary Schools
- CHM 33300 - Principles of Biochemistry
- ASTR 26300 - Descriptive Astronomy: The Solar System
- CHM 37200 - Physical Chemistry
- EDPS 30800 - Exceptional Learners-Secondary
- EDCI 32200 - English for New Language Learners
- ASTR 26400 - Descriptive Astronomy: Stars and Galaxies
- EAS 11300 - Introduction to Environmental Science
- PSY 25100 - Health Psychology
- CHM 48100 - Environmental Chemistry
- EDCI 34600 - Strategies of Science Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49500 - Student Teaching in the Secondary Classroom

Total 122 Credits Required

Secondary Education, Life Science, BS

Degree Requirements

PNW General Education Core (32 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 22300 - Introductory Analysis I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Humanities (3 Credits)

- Select a course from the Humanities Core list

First-Year Experience (3 Credits)

- EDST 20000 - History and Philosophy of Education

Major Core (74 Credits)

- EDCI 10500 - Introduction to Teaching
- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

- BIOL 23100 - Biology III: Cell Structure and Function
- BIOL 23200 - Laboratory in Biology III: Cell Structure and Function
- BIOL 28600 - Introduction to Ecology and Evolution
- BIOL 28800 - Introductory Field Ecology
- EDCI 20500 - Exploring Teaching as a Career
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- BIOL 24100 - Biology IV: Genetics and Molecular Biology
- BIOL 24200 - Laboratory in Biology IV: Genetics and Molecular Biology
- EDCI 28600 - Multiculturalism In Secondary Schools
- PHYS 22000 - General Physics
- EDPS 30600 - Adolescent and Young Adult Development
- EDPS 30700 - Classroom Climate in Secondary Schools
- STAT 30100 - Elementary Statistical Methods
- EDPS 30800 - Exceptional Learners-Secondary
- EDCI 32200 - English for New Language Learners
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 34600 - Strategies of Science Instruction in Senior High, Junior High and Middle Schools
- EDCI 49500 - Student Teaching in the Secondary Classroom

Other Required Courses (24 Credits)

Science Electives (24 Credits)

Choose eight science courses. Two of each subject - Ecology & Environment, Molecular & Cellular, Structure & Function, and Evolution.

Total 130 Credits Required

Secondary Education, Mathematics, BS

Degree Requirements

PNW General Education Core (32 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16700 - Plane Analytical Geometry & Calculus I

Natural Sciences (6 Credits)

- ASTR 26300 - Descriptive Astronomy: The Solar System
- EAS 11300 - Introduction to Environmental Science

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Humanities (3 Credits)

Select a course from the Humanities Core list

First-Year Experience (FYE) (3 Credits)

- EDST 20000 - History and Philosophy of Education

Major Core (88 Credits)

- EDCI 10500 - Introduction to Teaching
- EDST 20000 - History and Philosophy of Education
- MA 16900 - Plane Analytical Geometry and Calculus II
- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- EDCI 20500 - Exploring Teaching as a Career

- STAT 35000 - Introduction to Statistics
- MA 26100 - Multivariate Calculus
- EDCI 28600 - Multiculturalism In Secondary Schools
- MA 26200 - Linear Algebra and Differential Equations
- CS 20600 - Computer Algebra and Programming
- PSY 25100 - Health Psychology
- EDPS 30600 - Adolescent and Young Adult Development
- EDPS 30700 - Classroom Climate in Secondary Schools
- MA 34800 - Discrete Mathematics
- MA 33000 - Concepts in Geometry
- EDPS 30800 - Exceptional Learners-Secondary
- EDCI 32200 - English for New Language Learners
- MA 35100 - Elementary Linear Algebra
- STAT 31100 - Introductory Probability
- EDCI 42500 - Teaching of Mathematics in Secondary Schools
- MA 40100 - Problem Solving in Mathematics
- MA 45300 - Elements of Algebra I
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49500 - Student Teaching in the Secondary Classroom

Total 120 Credits Required

Secondary Education, Physical Science, BS

Degree Requirements

PNW General Education Core (39 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (10 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I
- MA 16400 - Integrated Calculus Analysis Geometry II

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Humanities (3 Credits)

Select a course from the Humanities Core list

First-Year Experience (FYE) (3 Credits)

- EDST 20000 - History and Philosophy of Education

Major Core (74 Credits)

- EDCI 10500 - Introduction to Teaching
- EDCI 20500 - Exploring Teaching as a Career
- CHM 32100 - Analytical Chemistry I
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- PHYS 22000 - General Physics
- EDCI 28600 - Multiculturalism In Secondary Schools
- PHYS 15200 - Mechanics
- PHYS 26100 - Electricity and Optics
- EDPS 30600 - Adolescent and Young Adult Development
- EDPS 30700 - Classroom Climate in Secondary Schools
- PSY 25100 - Health Psychology
- CHM 48100 - Environmental Chemistry
- CHM 37200 - Physical Chemistry
- EDPS 30800 - Exceptional Learners-Secondary
- EDCI 32200 - English for New Language Learners

- PHYS 34200 - Modern Physics and Lab
- ASTR 26300 - Descriptive Astronomy: The Solar System
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 34600 - Strategies of Science Instruction in Senior High, Junior High and Middle Schools
- EDCI 49500 - Student Teaching in the Secondary Classroom

Other Required Courses (4 Credits)

Science Elective 30000 level or above

Total 120 Credits Required

Master of Science in Education

Education, Human Services Counseling Concentration, MSED

The College of Education & Counseling offers 3 tracks in counseling: Mental Health Counseling, School Counseling, and Human Services, as well as a Certification in Addictions Counseling. The concentrations in Mental Health and School Counseling, as well as the Certification in Addictions Counseling lead to licensure. The Mental Health Counseling and the School Counseling programs are accredited by the Council for Accreditation of Counseling & Related Educational Programs (CACREP). The Certification in Addictions courses are approved by the Indiana Counselors Association on Alcohol and Drug Abuse (ICAADA). The Human Services Counseling track is a non-licensure degree program. However, additional courses can be taken to complete the degree in Mental Health Counseling if a decision to do so is made before the internship has begun and with permission of the faculty. All students accepted into our program must obtain a limited criminal history check within the first week of the semester in which they begin.

Program Requirements

Non-licensure program

- EDPS 50000 - Group Counseling Theories and Techniques
- EDPS 50300 - Introduction to Mental Health Counseling
- EDPS 50700 - Counseling Multicultural and Diverse Populations
- EDPS 52800 - Research in Counseling
- EDPS 53900 - Ethics and Professional Identity for Mental Health Counselors
- EDPS 52100 - Counseling and Psychopathology
- EDPS 62000 - Counseling Seminar (Electives); Diverse Topics (4 electives, 12 credit hours)
- EDPS 69500 - Internship in Education (300 hours; 3 credit hours)

Total 33 Credits Required

Education, Mental Health Counseling, MEd

The College of Education & Counseling offers 3 tracks in counseling: Mental Health Counseling, School Counseling, and Human Services, as well as a Certification in Addictions Counseling. The concentrations in Mental Health and School Counseling, as well as the Certification in Addictions Counseling lead to licensure. The Mental Health Counseling and the School Counseling programs are accredited by the Council for Accreditation of Counseling & Related Educational Programs (CACREP). The Certification in Addictions courses are approved by the Indiana Counselors Association on Alcohol and Drug Abuse (ICAADA). The Human Services Counseling track is a non-licensure degree program. However, additional courses can be taken to complete the degree in Mental Health Counseling if a decision to do so is made before the internship has begun and with permission of the faculty. All students accepted into our program must obtain a limited criminal history check within the first week of the semester in which they begin.

Program Requirements

- EDPS 50000 - Group Counseling Theories and Techniques
- EDPS 50300 - Introduction to Mental Health Counseling
- EDPS 52100 - Counseling and Psychopathology
- EDPS 52200 - Crisis Intervention and Emergency Management
- EDPS 50500 - Foundations of Career Development and Assessment
- EDPS 50700 - Counseling Multicultural and Diverse Populations
- EDPS 53100 - Introduction to Measurement and Evaluation
- EDPS 52800 - Research in Counseling
- EDPS 59100 - Special Topics in Education (Human Growth and Life Span Development)
- EDPS 52100 - Counseling and Psychopathology
- EDPS 60000 - Counseling Theories and Techniques
- EDPS 60100 - Counseling Theories and Techniques Laboratory
- EDPS 61000 - School Counseling Practicum
- EDPS 53900 - Ethics and Professional Identity for Mental Health Counselors
- EDPS 59100 - Special Topics in Education (Addictions)
- EDPS 62000 - Counseling Seminar (Electives); Diverse Topics (3 electives, 9 credit hours)
- EDPS 69500 - Internship in Education (900 hours; 9 credit hours)

Total 60 Credits Required

Education, School Counseling, MEd

The College of Education & Counseling offers 3 tracks in counseling: Mental Health Counseling, School Counseling, and Human Services, as well as a Certification in Addictions Counseling. The concentrations in Mental Health and School Counseling, as well as the Certification in Addictions Counseling lead to licensure. The Mental Health Counseling and the School Counseling programs are accredited by the Council for Accreditation of Counseling & Related Educational Programs (CACREP). The Certification in Addictions courses are approved by the Indiana Counselors Association on Alcohol and Drug Abuse (ICAADA). The Human Services Counseling track is a non-licensure degree program. However, additional courses can be taken to complete the degree in Mental Health Counseling if a decision to do so is made before the internship has begun and with permission of the faculty. All students accepted into our program must obtain a limited criminal history check within the first week of the semester in which they begin.

Program Requirements

- EDPS 50000 - Group Counseling Theories and Techniques
- EDPS 50100 - Introduction to School Counseling
- EDPS 50500 - Foundations of Career Development and Assessment
- EDPS 50700 - Counseling Multicultural and Diverse Populations
- EDPS 53100 - Introduction to Measurement and Evaluation
- EDPS 52800 - Research in Counseling
- EDPS 59100 - Special Topics in Education (Human Growth and Life Span Development)
- EDPS 60000 - Counseling Theories and Techniques
- EDPS 60100 - Counseling Theories and Techniques Laboratory
- EDPS 60900 - Program Development and Organization in Human Services
- EDPS 61000 - School Counseling Practicum
- EDPS 59100 - Special Topics in Education (Counseling Children and Adolescents)
- EDPS 59100 - Special Topics in Education (Seminar: Addictions)
- EDPS 62000 - Counseling Seminar (Electives); Diverse Topics (2 electives, 6 credit hours)
- EDPS 69500 - Internship in Education (600 hours; 6 credit hours)

Total 51 Credits Required

Education, Special Education, MSED

Program Requirements

A professional portfolio is required

Foundations (3 Credits)

- EDPS 59100 - Special Topics in Education (Integrating Students with Special Needs)

Special Education Core (21 Credits)

Select six classes of the following courses:

- EDPS 56300 - Identification, Evaluation, and Assessment of Exceptional Individuals
- EDPS 56500 - Intervention Strategies and Research
- EDPS 59100 - Special Topics in Education (Applied Behavior Analysis for Teachers)
- EDPS 66400 - Seminar in Special Education (Collaboration)
- EDPS 66400 - Seminar in Special Education (Special Education Law)
- EDPS 59100 - Special Topics in Education (Autism Spectrum Disorders)
- EDPS 59500 - Internship in Education

Related (6 Credits)

Select two of the following courses:

- EDCI 51100 - Teaching Mathematics in the Elementary School
- EDCI 59100 - Special Topics in Education (Literacy Problems: Evaluation and Remediation)
- EDCI 59100 - Special Topics in Education (Human Issues in Technology)

Total 30 Credits Required

Graduate Certificate

Addiction Counseling Graduate Certificate

Special Requirements

- Only candidates accepted into the certification program or any program within the Department of Counseling & Development may enroll in these courses. Enrollment is strictly limited to these programs.
- The courses must be completed with a grade of B or better. A grade of C in any course will be grounds for dismissal from the certification program in addiction counseling.
- Courses need NOT be taken sequentially.
- A limited criminal history check must be submitted by each student before his/her first class.

Program Requirements

- EDPS 59100 - Special Topics in Education (Theories of Addiction Counseling and Psychopharmacology)
- EDPS 59100 - Special Topics in Education (Seminar I: Diversity, HIV/AIDS, and Dual Diagnosis)
- EDPS 59100 - Special Topics in Education (Seminar II: Ethics, Criminal Justice, and Social Systems)
- EDPS 59100 - Special Topics in Education (Recovery and Relapse)
- EDPS 59100 - Special Topics in Education (Techniques of Addiction Counseling: Counseling Skills, Groups and Processes)
- EDPS 59100 - Special Topics in Education (Practicum)

Total 18 Credits Required

Non-Academic

Director of Exceptional Needs License Program (Special Education Director's License)

This program is intended for those who already have a master's degree and are seeking licensure. It is also intended for those who already have special education licensure, experience and background. The intent is to couple the Exceptional Needs Director's License with the Building Level Administrator's License whenever possible. However, a master's degree can be worked into the program for those who do not yet have one. Also, additional special education course work may be built into the program for those who need it.

Program Requirements

Special Education/Foundation Block (12 Credits)

- EDCI 58500 - Multicultural Education
- EDPS 53000 - Advanced Educational Psychology
- EDPS 53300 - Introduction to Educational Research I: Methodology
- EDPS 66400 - Seminar in Special Education (Education Law)
- EDFA 60800 - Business Management in Education

Administration Block (28 Credits)

must be taken in sequence

- EDFA 51200 - Foundations of Educational Administration
- EDFA 60900 - Legal Aspects of American Education
- EDFA 61000 - Supervision of Instruction and Instructional Personnel
- EDFA 51600 - School-Community Relations
- EDFA 51700 - Legal Aspects in American Education II
- EDCI 58000 - Foundations of Curriculum
- EDFA 53900 - School Administration: The Effective School Executive
- EDFA 69500 - Internship in Education (Special Education)
- EDFA 69500 - Internship in Education (Administration) (4-hour course)

Total 40 Credits Required

Expressive Arts Counseling

This grouping of courses is only open to graduate students in counseling and to counselors and social workers for the purpose of professional development. Note: These classes can be used for licensure renewal and as electives, but they do not lead to licensure as an expressive arts counselor.

Note: Completed coursework will be listed on a transcript; however this is an informal program. Completion of this group of courses does not award a degree or formal certificate.

Program Requirements

- EDPS 59100 - Special Topics in Education (Symbolism in Expressive Arts Therapy)
- EDPS 51200 - Expressive Arts: Painting, Poetry, and Dreams
- EDPS 50900 - Expressive Arts: Music, Movement, and Spiritual Expression
- EDPS 51100 - Expressive Arts Professional Project: Healing Through the Arts

Note

Check the website <http://academics.pnw.edu/education/> for additional Graduate Program options.

- The graduate program in Educational Administration will be approved and open for admissions soon.
- The graduate program in Instructional Technology will be approved and open for admissions soon.

Total 12 Credits Required

LMHC Track, Mental Health Counselor License

For those school counselors who also have taken the additional courses required for licensure as a mental health counselor in Indiana. Dr. Hollingsworth will review school counseling transcripts to assure the courses are met for the LMHC. The LMHC track is specifically designed to meet the needs of school counseling graduates that currently hold our 51-credit hour master's degree. The LMHC program builds on our 51-credit hour program for school counselors.

This 12 credit hour track aligns with the State of Indiana standards for the LMHC license. The program consists of three content courses, each 3 credits, and an advanced internship placement (300 hours/3 credits) in a mental health site. Students may need to travel for internship sites. It is the state licensure board's decision as to eligibility for the LMHCA and LMHC.

Program Requirements

- EDPS 50300 - Introduction to Mental Health Counseling
- EDPS 52100 - Counseling and Psychopathology
- EDPS 53900 - Ethics and Professional Identity for Mental Health Counselors
- EDPS 69500 - Internship in Education (in a mental health setting/3 credits/300 hours)

Total 12 Credits Required

Please note: You must have 60 credit hours on your transcript, including 9 credits of internship to be eligible for licensure as a LMHCA or LMHC in Indiana. Visit our website to obtain additional information about the requirements for licensure as a mental health counselor.

College of Nursing

College of Nursing

Lisa Hopp, Ph.D., Dean

<http://academics.pnw.edu/nursing>

The College of Nursing offers innovative programs to meet the professional needs of students for entry into practice to the Doctor of Nursing Practice. The National League for Nursing has recognized the College of Nursing as a Center of Excellence in Nursing Education, one of just 40 institutions to hold this recognition. The College also houses the Indiana Center for Evidence Based Nursing Practice, a Joanna Briggs Center of Excellence. The Center collaborates globally with other healthcare groups to improve health outcomes through the integration of evidence based practice in nursing education and practice.

The undergraduate program offerings include:

- Bachelor of Science in Nursing, accepting direct admissions from high school, transfer and change of degree option students
- Accelerated Bachelor of Science in Nursing option, accepting students who already hold a baccalaureate or higher degree
- Bachelor of Science in Nursing, completion degree accepting students who already hold an RN license and wish to obtain a baccalaureate degree (RN to BSN); offered entirely online
- Master of Science with a major in nursing with concentrations in adult-gerontology clinical nurse specialist and family nurse practitioner practice; a post-master's certificate in adult-gerontology clinical nurse specialist and nurse educator; degrees offered online or in the classroom
- Doctor of Nursing Practice with a concentration in translation science; accepting students who have at least a master's degree in nursing and offered online in collaboration with two other Purdue University campuses

The beginning baccalaureate degree students are eligible for state board examination for licensure as a registered nurse. They are prepared to begin their careers as entry-level registered nurses. The RN to BSN option is designed to prepare a nurse generalist to provide comprehensive, professional nursing care for people of all ages in a variety of health care settings. In addition, baccalaureate-prepared graduates are eligible to continue their education.

Master's level graduates are prepared for advanced nursing practice (FNP or AG-CNS) and certification in their area of concentration or as nursing educators in clinical or community college arenas. These programs have a strong clinical emphasis and prepare nurses for to lead evidence based practice change in their settings.

The Doctor of Nursing Practice (DNP) is a post-master's degree offering that prepares nurses to lead transformative change in healthcare. This online degree is offered in collaboration with the Fort Wayne and West Lafayette campuses. At the PNW campus, students are prepared to lead transformative healthcare by becoming experts in the search, appraisal, synthesis, transfer, and application of evidence and in the evaluation of its impact on outcomes.

All programs have special admission requirements that are available through the specific program's website. The baccalaureate and master's degree programs are accredited by the Accreditation Commission for Education in Nursing.

Accreditations

- State accreditation: Indiana Professional Licensing Agency (Attn: Indiana State Board of Nursing) 402 W Washington Street - Room W072, Indianapolis, IN 46204 phone: (317) 234-2043 <http://www.in.gov/pla/nursing.htm>
- National accreditation of all baccalaureate and master's programs: Accreditation Commission for Education in Nursing 3343 Peachtree Road NE, Suite 850, Atlanta Georgia <http://www.acenursing.org>

Minors

Minors offered at Purdue Northwest.

Bachelor of Science in Nursing

Nursing, Accelerated Bachelor's Second Degree, BSN

Degree Requirements

Major Core (61 Credits)

- NUR 18200 - Conceptual and Theoretical Thinking in Nursing
- NUR 18800 - Foundations of Physical Assessment
- NUR 19200 - Foundations of Nursing
- NUR 19600 - Foundations of Psychosocial Nursing
- NUR 19700 - Practicum I
- NUR 28200 - Adult Nursing I
- NUR 28300 - Practicum II
- NUR 28600 - Mental Health Nursing
- NUR 29400 - Essential Pharmacotherapeutics for Nursing
- NUR 31700 - Nursing Care of Women Through the Lifespan
- NUR 31800 - Maternity Practicum
- NUR 35200 - Nursing Care of Older Adults
- NUR 36100 - Pediatric Nursing
- NUR 37200 - Pediatric Nursing Practicum
- NUR 39000 - Nursing Research
- NUR 39100 - Professional Ethics
- NUR 39200 - Adult Nursing II
- NUR 39300 - Practicum III
- NUR 41500 - Pathophysiology
- NUR 45200 - Quality and Safety in Professional Nursing Practice
- NUR 48500 - Community Health Nursing Practicum I
- NUR 48600 - Community Health Nursing
- NUR 48701 - Transitions into Professional Nursing Practice
- NUR 49800 - Capstone Course in Nursing

Total 120 Credits Required

Admission Pre-requisites for General Education Approved coursework: Human Anatomy & Physiology (8 credits); Microbiology (4 credits); Computer Information Technology (3 credits); Statistics (3 credits); Nutrition (3 credits); English Composition (6 credits); Behavioral Sciences (6 credits); Humanities (3 credits).

Distribution of credits: Pre-Requisite requirements (34 to 36 credits); Nursing core (61 credits); Previous Degree (23 to 25 credits).

Nursing, Professional Nursing, BSN

The BS Nursing Program prepares graduates for leadership roles and graduate study in nursing by providing a broad foundation in general studies, sciences and nursing. The graduate is prepared to synthesize theory and research based knowledge in provision of care to the client, family and community in a global society with flexibility to adapt to the changing nature of health care and health care roles, integrate care across multiple settings, and manage the interactions between and among components of the integrated networks of health care services.

Student Nurses begin their nursing education in the Nursing Resource Center where they learn basic nursing principles and procedures through classes and practice. Next door to the Nursing Resource Center is a Simulation Center, where students have the opportunity to practice skills using an advanced simulation model. The Nursing Media Lab is where students can gather for quiet study or to use the computers. Specialty software for nursing studies is available.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- SOC 38200 - Introduction to Statistics in Sociology
- STAT 30100 - Elementary Statistical Methods
- STAT 31000 - Health Care Statistics

Natural Sciences (3 Credits)

- CHM 11900 - General Chemistry

Technology (3 Credits)

- NUR 45100 - Nursing Informatics

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Additional Credits (6 Credits)

- Select from the Philosophy/Humanities Core list
- FN 30300 - Essentials of Nutrition

First-Year Experience (FYE) (1 Credit)

- NUR 18100 - Introduction to Professional Nursing

Major Core (77 Credits)

- NUR 18200 - Conceptual and Theoretical Thinking in Nursing
- NUR 19600 - Foundations of Psychosocial Nursing
- NUR 27500 - Alternative Therapies for Nursing Practice
- NUR 41500 - Pathophysiology
- NUR 18800 - Foundations of Physical Assessment
- NUR 27400 - Essential Pharmacokinetics for Nursing
- NUR 29400 - Essential Pharmacotherapeutics for Nursing
- NUR 39400 - Health Promotion and Education
- NUR 19201 - Foundations of Nursing
- NUR 39000 - Nursing Research
- NUR 39100 - Professional Ethics
- NUR 28201 - Adult Health I
- NUR 28600 - Mental Health Nursing
- NUR 28700 - Mental Health Practicum
- NUR 39201 - Adult Health II
- NUR 31700 - Nursing Care of Women Through the Lifespan
- NUR 31800 - Maternity Practicum
- NUR 39700 - Nursing Care of the Aged, Disabled and Chronically Ill
- NUR 48601 - Community Health Nursing

- NUR 48200 - Nursing Leadership and Management
- NUR 36100 - Pediatric Nursing
- NUR 37200 - Pediatric Nursing Practicum
- NUR 45200 - Quality and Safety in Professional Nursing Practice
- NUR 48701 - Transitions into Professional Nursing Practice
- NUR 49301 - Adult Health III
- NUR 49800 - Capstone Course in Nursing

Other Required Courses (12 Credits)

- BIOL 21300 - Human Anatomy and Physiology I
- BIOL 21400 - Human Anatomy and Physiology II
- BIOL 22100 - Introduction to Microbiology

Total 120 Credits Required

Nursing, RN to BSN Online, BSN

Degree Requirements

Major Core (34 Credits)

- NUR 18200 - Conceptual and Theoretical Thinking in Nursing
- NUR 38400 - Concepts of Role Development in Professional Nursing
- NUR 38800 - Nursing of Families and Groups
- NUR 39000 - Nursing Research
- NUR 39100 - Professional Ethics
- NUR 39400 - Health Promotion and Education
- NUR 39700 - Nursing Care of the Aged, Disabled and Chronically Ill
- NUR 41500 - Pathophysiology
- NUR 45100 - Nursing Informatics
- NUR 48200 - Nursing Leadership and Management
- NUR 48300 - Community and Public Health Nursing
- NUR 49800 - Capstone Course in Nursing

Prerequisite Credits (62 Credits)

Admission Pre-requisites: Human Anatomy & Physiology (8 credits); Microbiology (4 credits); General Chemistry (3 credits); Pharmacology, Math or Science (2 credits); English Composition (3 credits); Behavioral Sciences (6 credits); Humanities (3 credits); Nursing (30 credits).

Non-Nursing Required Courses (24 Credits)

Statistics (3 credits); English Composition II (3 credits); Communication (3 credits); Humanities (6 credits); Electives (9 credits).

Total 120 Credits Required

Master of Science

Nursing, MS

Students select between the Adult-Gerontology Clinical Nurse Specialist (47 credits) and Family Nurse Practitioner (47 credits) options. Full-time study requires six semesters including summer; part-time study options are available.

Admission Requirements

1. Graduation from an accredited baccalaureate program in nursing.
2. Evidence of current United States registered nurse licensure nurse licensure.
3. Minimum undergraduate cumulative GPA of 3.0/4.0
4. Basic physical assessment course.
5. Introductory statistics course (within five years prior to admission).
6. Criminal background check clearance (Information about testing to be obtained through College of Nursing.)

An applicant who does not meet one or more of the admission requirements may be considered for conditional admission status. In addition to the preceding requirements for admission, the College of Nursing adheres to Purdue University Graduate School Admission policies regarding English as a foreign language.

Special Graduation Requirements

Final graduation grade point average of a "B" or better on the approved Plan of Study. Minimum grade of "B" in all core and specialty required nursing courses. The program must be completed within 6 years following admission.

Advanced Practice in Nursing Core Courses

(Applies to all Masters-level study options)

- NUR 52500 - Informatics in Nursing
- NUR 53100 - Theoretical and Ethical Reasoning in Advanced Practice Nursing
- NUR 50100 - Foundations of Advanced Practice in Nursing
- NUR 50500 - Sociocultural Influences on Health
- NUR 51000 - Research and Evidence Based Nursing Practice
- NUR 51100 - Health Promotion for Advanced Practice in Nursing
- NUR 65600 - Healthcare Organization, Policy and Economics

Additional Clinical Nurse Specialist and Family Nurse Practitioner Core Courses

- NUR 50200 - Pharmacotherapeutics for Advanced Practice Nursing
- NUR 50300 - Advanced Health Assessment
- NUR 57400 - Pathophysiologic Concepts for Advanced Practice Nursing I
- NUR 57500 - Pathophysiologic Concepts for Advanced Practice Nursing II

Specialty Courses - Adult-Gerontology Clinical Nurse Specialist Option

- NUR 60000 - Adult-Gerontology Clinical Nurse Specialist I
- NUR 60100 - Adult-Gerontology Clinical Nurse Specialist Practicum I
- NUR 61800 - Adult-Gerontology Clinical Nurse Specialist II
- NUR 62000 - Adult-Gerontology Clinical Nurse Specialist Practicum II
- NUR 65800 - Adult-Gerontology Clinical Nurse Specialist Practicum III: Clinical Synthesis

Specialty Courses - Family Nurse Practitioner Option

- NUR 61100 - Primary Care of the Young Family
- NUR 61300 - Primary Care of the Young Family Practicum
- NUR 62200 - Primary Care of the Aging Family
- NUR 62300 - Primary Care of the Aging Family Practicum
- NUR 65700 - FNP Practicum: Clinical Synthesis

Total 47 Credits Required

Doctor of Nursing Practice

Nursing Practice, DNP

The Doctor of Nursing Practice (DNP) program prepares nurses to lead transformative change in healthcare. Graduates acquire scientific, organizational, leadership and economic knowledge that allows them to plan, manage and deliver cost-effective, evidence based care.

We offer the DNP degree in collaboration with two other campuses in the Purdue University system: West Lafayette and Fort Wayne. Each campus in the collaborative DNP program has a specific area of concentration. The DNP concentration offered at Purdue University Northwest is Translation Science.

Preparation in the science of translation will enable DNP program graduates to become experts in searching for, appraising, synthesizing, transferring, and applying evidence. Graduates will also become experts in evaluating the impact of evidence on outcomes.

Admission Requirements

Graduation from an accredited program with a master's degree in nursing.

Grades in all previous Master's coursework of "B" or better.*

Current U.S. RN (registered nurse) license in the state in which practice will occur.

Evidence of successful completion of an introductory statistics course within the last 5 years.*

Personal interview (will be scheduled following submission of application and all related documents).

*Note: Applicants not meeting this criterion may be considered for conditional admission status.

Special Graduation Requirements

Final graduation grade point average of a "B" or better on the approved Plan of Study. Minimum grade of "B" in all core and specialty required nursing courses.

Required Courses

Advanced Practice Nursing/MS Core Courses

Note: The following courses may be waived if student has successfully completed a comparable graduate course prior to application to this program from an institution that has been accredited by CCNE or ACEN.

- NUR 50200 - Pharmacotherapeutics for Advanced Practice Nursing
- NUR 50300 - Advanced Health Assessment
- NUR 50700 - Physiologic Concepts for Advanced Practice Nursing

DNP Leadership Courses

- NUR 52500 - Informatics in Nursing *
- NUR 63200 - Health Policy Local to Global
or
- NUR 65600 - Healthcare Organization, Policy and Economics *
- NUR 62500 - History, Ethics, and Innovations in Healthcare Delivery Systems
- NUR 67800 - Healthcare Economics and Finance

Note

* If course taken as part of MS degree, will be replaced by elective

DNP Evidence Based Practice Courses

- NUR 59900 - Special Topics/Independent Study in Nursing
- NUR 62400 - Evidence Based Practice
- NUR 62600 - Applied Biostatistics for Outcome Evaluation
- NUR 64200 - Systems Approaches in Healthcare Engineering
- NUR 67300 - Health Policy Residency

DNP Cognate/Inquiry Courses

- NUR 67600 - Knowledge Translation for Transforming Healthcare
- NUR 59900 - DNP Cognate Residency I
- NUR 59900 - Clinical Independent study
(Up to 5 credits may be required if MS program contained fewer than 500 practicum hours)
- NUR 68700 - DNP Practice Inquiry I
- NUR 68900 - DNP Practice Inquiry II

Total 38 Credits Required

The DNP program is a 38 credit hours post-Master's degree. Additional hours may be required depending on the master's degree curriculum.

Post-Master's Certificate

Adult-Gerontology Clinical Nurse Specialist Post-Master's Certificate

The purpose of the Adult-Gerontology Clinical Nurse Specialist Certificate Programs at Purdue University Northwest will be to provide Clinical Nurse Specialist (CNS) preparation to qualified Master's prepared nurses. CNSs are advanced practice nurses who are uniquely prepared to meet complex patients' needs for expert nursing care. In addition, CNSs advance the practice of nursing through their positive influence on nurses, nursing practice and healthcare systems. The target audience for this program includes master's prepared nurses that are interested in becoming clinical nurse specialists.

Admission Requirements

The admission process for the Adult Health or Critical Care Clinical Nurse Specialist Post-Master's Certificate Programs adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master's Degree in Nursing. Specific requirements are:

1. Master's degree in nursing from an accredited institution or admission and enrollment in a master's degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current United States nurse licensure.
4. A minimum of one year or 1500 hours of experience as a registered nurse.
5. Criminal background check clearance (Information about testing to be obtained through College of Nursing).

Completion Requirements

The certificate requires students to complete a minimum of 12 credit hours and a maximum of 30 credit hours consisting of the following courses.

Adult-Gerontology Clinical Nurse Specialist

- NUR 50200 - Pharmacotherapeutics for Advanced Practice Nursing *
- NUR 50300 - Advanced Health Assessment *
- NUR 57400 - Pathophysiologic Concepts for Advanced Practice Nursing I *
- NUR 57500 - Pathophysiologic Concepts for Advanced Practice Nursing II *
- NUR 51100 - Health Promotion for Advanced Practice in Nursing *
- NUR 60000 - Adult-Gerontology Clinical Nurse Specialist I
- NUR 60100 - Adult-Gerontology Clinical Nurse Specialist Practicum I
- NUR 61800 - Adult-Gerontology Clinical Nurse Specialist II
- NUR 62000 - Adult-Gerontology Clinical Nurse Specialist Practicum II
- NUR 65800 - Adult-Gerontology Clinical Nurse Specialist Practicum III: Clinical Synthesis

Note

*May be waived if student has taken a comparable course at Purdue University Northwest or another accredited nursing program within 5 years prior to application to this program

Total 12-30 Credits Required

Family Nurse Practitioner Post-Master's Certificate

The purpose of the Family Nurse Practitioner Certificate Program at Purdue University Northwest is to increase the numbers of family nurse practitioners prepared to provide primary care. Primary care is currently undergoing a period of expansion in order to meet the increasing healthcare needs of our nation's citizens. The post-master's certificate program at Purdue University Northwest exists to address the need for increased numbers of primary care providers. The target audience for this program includes master's prepared nurses that are interested in becoming family nurse practitioners.

Admission Requirements

The admission process for the Family Nurse Practitioner Certificate Program adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master's Degree in Nursing. Specific requirements are:

1. Master's degree in nursing from an accredited institution or admission and enrollment in a master's degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current registered nurse licensure.
4. A minimum of one year or 1500 hours of experience as a registered nurse.
5. Criminal background check clearance (Information about testing to be obtained through College of Nursing.)

Completion Requirements

Credit Hour Requirements: The certificate requires students to complete a minimum of 12 and a maximum of 30 credit hours consisting of the following courses:

- NUR 50200 - Pharmacotherapeutics for Advanced Practice Nursing *
- NUR 50300 - Advanced Health Assessment *
- NUR 57400 - Pathophysiologic Concepts for Advanced Practice Nursing I *
- NUR 57500 - Pathophysiologic Concepts for Advanced Practice Nursing II *
- NUR 51100 - Health Promotion for Advanced Practice in Nursing *
- NUR 61100 - Primary Care of the Young Family
- NUR 61300 - Primary Care of the Young Family Practicum
- NUR 62200 - Primary Care of the Aging Family
- NUR 62300 - Primary Care of the Aging Family Practicum
- NUR 65700 - FNP Practicum: Clinical Synthesis

Note

*May be waived if student has taken a comparable course at Purdue University Northwest or another accredited nursing program within 5 years prior to application to this program.

Total 12-30 Credits Required

Nursing Education Post-Master's Certificate

The purpose of the Post-Master's Certificate in Nursing Education Program at Purdue University Calumet is to increase the numbers of nurse educators and improve the quality of nursing education. This purpose is accomplished by: providing knowledge and experience in curriculum development; teaching methods to enable qualified master's prepared nurses to assume the role of beginning faculty; and providing faculty who wish to acquire formal academic preparation in teaching the means to do so. The target audience for this program consists of master's students and master's prepared advanced practice nurses, as well as faculty interested in continuing their formal education in teaching.

Admission Requirements

The admission process for the Post-Master's Certificate in Nursing Education adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master's Degree in Nursing. Specific requirements are:

1. Master's degree in nursing from an accredited institution or admission and enrollment in a master's degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current registered nurse licensure.
4. Criminal background check clearance (Information about testing to be obtained through College of Nursing.)

Completion Requirements

The certificate requires students to complete 10 credit hours consisting of the following existing courses:

- EDCI 57200 - Introduction to Learning Systems Design
- NUR 66000 - Curriculum Development in Nursing
- NUR 66200 - Teaching Strategies for Nursing

Total 10 Credits Required

College of Technology

College of Technology

Niaz Latif, Ph.D., Dean
www.pnw.edu/technology

The College of Technology academic programs are among the largest in the country, and Purdue University Northwest has repeatedly earned the recognition as "best university to attain a technology degree" in Northwest Indiana. Our graduates are working for major national and international companies.

Purdue Northwest's College of Technology partners with business, industry and government to give students opportunities to solve real-world problems, leading to internships and jobs. The majority of our courses are application-oriented and include laboratories with state-of-the-art equipment.

We strive for program excellence and we continuously improve our programs so that they are relevant and connected to industry and business. Our graduates are well prepared for jobs in their chosen field.

Please visit our individual degree programs to learn more about the courses you will take and discover the opportunities awaiting you in your program of interest. Please contact us if you have questions. Alternatively, just schedule a visit. We look forward to meeting you.

Accreditations

- Association of Technology, Management, and Applied Engineering, <http://www.atmae.org>.
- Accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>.
- Engineering Technology Accreditation Commission, <http://www.abet.org>.
- Applied Science Accreditation Commission (ASAC) of ABET, <http://www.abet.org>.

Minors

Minors offered at Purdue Northwest.

Master of Science

Modeling, Simulation and Visualization, MS

A 30-credit hour interdisciplinary Master of Science degree program, the MSV Master of Science degree prepares students in a variety of fields to use modeling, simulation and visualization tools and skills. Students with undergraduate education in science, technology, computer science, engineering, medical/healthcare, and management may be interested in the degree. MSV skills may be used by designers, engineers, technologists, business intelligence developers, software consultants and other professionals in many additional fields, including transportation, healthcare and management.

Program Requirements

The program consists of 30 credit hours, with 18 hours of core courses, 9 hours of electives, and one capstone project (3 credits).

Core Courses (18 Credits)

- MGMT 55100 - Unified Modeling Language
- MSV 56500 - High Performance Computing
- MSV 56700 - Simulation Techniques
- MSV 57500 - Software Project Management
- MSV 57600 - Design and Analysis of Simulation Experiments
- MSV 57700 - Visualization Techniques

Elective Courses (9 Credits)

A number of graduate level courses are available for use as electives; electives are approved by the student's graduate committee for inclusion in the plan of study.

Capstone Course (3 Credits)

- TECH 59800 - Directed MS Project (taken in two phases, across two semesters)

Total 30 Credits Required

Technology, MS

The Master of Science in Technology degree offered by Purdue University Northwest, Hammond, Indiana, prepares students to become leaders in technology disciplines. The program allows students pursue an advanced degree in a focus technology discipline, with the flexibility to pursue interdisciplinary interests and develop leadership skills based on ethics and an understanding of global issues affecting technology. Graduates of the Purdue University Northwest, Hammond, Indiana. Master of Science in Technology degree will not only understand leading-edge concepts, but also be able to strategically apply them. Designed to allow students to achieve their career objectives, the program is a flexible, directed project (33-hours) or coursework based (30-hours) plan of study in which students can choose their concentration in one of many of the College of Technology disciplines, or an approved interdisciplinary area. Currently, students could choose any of the following concentrations:

- Computer Information Technology
- Electrical Engineering Technology
- Industrial Engineering Technology
- Mechanical Engineering Technology
- Mechatronics Engineering Technology
- Technology Leadership & Management

Purdue University Northwest's approach of merging technology with other areas of study and allowing students to customize their course of study means that students in the program can study interdisciplinary and specialized aspects of their fields. This broad-based, flexible degree produces graduates who can enter the marketplace with a distinct and sought-after advantage.

Program Requirements

Three Core Courses (9 Credits)

- IT 50700 - Measurement and Evaluation in Industry and Technology
- IT 50800 - Quality and Productivity in Industry and Technology
- TECH 64600 - Analysis of Research in Industry and Technology

Four Concentration Courses (12 Credit)

12 credit hours in the area of concentration

Three Courses in Technical Electives (9 Credits)

A directed project for students choosing this option – The project focuses on an applied research issue in the student's area of interest. The 3-credit hour directed MS project will be taken in two phases, across two semesters.

Admission Requirements for Degree-seeking Students

Admission will be based on the following criteria and documentation:

- B.S. from an accredited technology program or related fields.
- Undergraduate GPA of 3.0 or greater based on a 4.0 scale.
- Official transcripts from every institution of higher learning attended uploaded to application
- Appropriate experience as documented in a resume.
- A goal statement or statement of purpose commensurate with the program and faculty strengths.
- Three letters of recommendation from academic or professional references (Recommendations from friends or family members are not given weight).
- GRE is not required for the MS Technology degree, but may be considered for those applicants who do not meet the minimum GPA for unconditional admission.
- Students who do not meet the requirements for unconditional admission may be considered for conditional admission.
- International degree-seeking applicants whose native language is not English are required to submit Test of English as a Foreign Language (TOEFL), or International English Language Testing System (IELTS) scores or Purdue Northwest's English Language Program (ELP). ELP is an academic, intensive English program that aims primarily at assisting international students in developing their English language proficiency to the level needed to pursue their education at Purdue University Northwest.

Technology Leadership and Management (online)

The Online MS Degree in Technology – Leadership and Management concentration is expected to prepare students to manage and lead in technology professions. It will allow students who currently have a technology area undergraduate degree, or work in a technical field, to acquire skills to prepare them for managerial or leadership roles in their area. Emphasis is placed on preparing students for technical leadership positions in business and industry, faculty positions in technology and engineering technology at community college and university levels, or to continue for a Ph.D. in technology or a closely related field.

Plan of Study

All required coursework for this major will be offered via distance education technology over an eighteen month to two-year period. Students who drop out of sequence will be able to take the course with the next cohort group, but will lengthen the time to complete the degree.

Curriculum Plan (12 Hours)

(3 cr. hrs. each) currently required courses for the MS Degree in Technology

- IT 50700 - Measurement and Evaluation in Industry and Technology
- IT 50800 - Quality and Productivity in Industry and Technology
- TECH 64600 - Analysis of Research in Industry and Technology

Additional Courses Required for the Requested Concentration (21 Hours)

- IT 57100 - Project Management in Industry and Technology
- IT 53500 - Global Supply Chain Management
- OLS 58900 - Leadership and Ethics
- IET 51000 - Product and Process Development Optimization
- MET 52700 - Technology from a Global Perspective
- OLS 58000 - Interpersonal Skills for Leaders
- OLS 58800 - Strategic Planning and Marketing for Technology

Total

30 credit hours for MS degree in Technology with concentration in Technology Leadership & Management

Total 30-33 Credits Required

Graduate Certificate

Database Integration Technology Graduate Certificate

Certificate Requirements

Any Four (4) of the following Five (5) Courses

- ITS 56000 - Database Management Security
- ITS 56200 - Database Administration
- ITS 56400 - Datawarehousing and Business Intelligence
- ITS 56600 - Database Object-Oriented Modeling and Architecture
- ITS 56800 - Database Application Integration

Total 12 Credits Required

Organizational Leadership and Supervision Graduate Certificate

Certificate Requirements

Four (4) Courses

- OLS 58900 - Leadership and Ethics
- OLS 58000 - Interpersonal Skills for Leaders
- OLS 58800 - Strategic Planning and Marketing for Technology

Plus any one of the following:

- OLS 48600 - Management of Change
- OLS 48500 - Leadership for Team Development
- OLS 45400 - Gender and Diversity in Management
- or additional OLS graduate courses (50000 level)

Total 12 Credits Required

Six Sigma for Business and Industry Graduate Certificate

Certificate Requirements

- IET 41100 - Applications of Lean and Six Sigma Methodologies
Prerequisite: basic statistics and basic understanding of quality principles
- IT 50800 - Quality and Productivity in Industry and Technology
- IET 51000 - Product and Process Development Optimization
Prerequisite: basic statistics
- IET 52000 - Enterprise Quality Planning and Analysis
Prerequisite: basic statistics and IT 50800

Admission Requirements for Certificate-seeking Students

- B.S. from an accredited technology program or related fields.

Total 12 Credits Required

Department of Computer Information Technology and Graphics

Bachelor of Science

Computer Graphics Technology, BS

The Computer Graphics Technology Bachelor of Science program is designed to prepare students for employment as graphics technologists. Students work in computer labs developing their graphics skills, techniques, concepts, and management ability through individual and team-based projects. The courses in the curriculum develop skills and knowledge critical to all areas of the computer graphics technology specialization. They embrace the teaching of the following core behaviors:

Visualizing, Sketching, Geometric Modeling, Problem Solving, Animating, Applying Technology, Graphic Designing, Computer Programming, Illustrating, User Interface and User Experience Designing, Mobile and Web Application Developing, and Appreciating Profession.

Many of our graduates pursue careers as web designers, user interface designers, animation and game developers, graphics technicians, mobile application designers, and web developers once they have finished their degrees.

The Computer Graphics Technology Bachelor of Science program is accredited by the Association of Technology, Management, and Applied Engineering, <http://www.atmae.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
- MA 14800 - Algebra and Trigonometry for Technology II
or
- MA 15300 - College Algebra
- MA 15400 - Algebra and Trigonometry II

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CGT 14100 - Internet Foundations Technologies and Development

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- CGT 10100 - Introduction to Computer Graphics Technology

Major Core (75 Credits)

- CGT 11100 - Designing for Visualization and Communication
- CGT 11600 - Geometric Modeling for Visualization and Communication
- CGT 11200 - Sketching for Visualization and Communication
- CGT 21500 - Computer Graphics Programming I
- CGT 21100 - Raster Imaging for Computer Graphics
- ECON 10100 - Survey of Economics
- PHYS 22000 - General Physics
- CGT 21600 - Vector Imaging for Computer Graphics
- CGT 24100 - Introduction to Computer Animation
- CGT 25600 - Principles of User Experience Design
- OLS 25200 - Human Relations in Organizations
- CGT 33000 - Multimedia, Animation and Video Game Design and Development
- CGT 34000 - Digital Lighting and Rendering for Computer Animation
- CGT 35100 - Interactive Multimedia Design
- CGT 35300 - Principles of Interactive and Dynamic Media
- OLS 35000 - Creativity in Business and Industry

- CGT 30700 - Advanced Graphic Design for Web and Multimedia
 - CGT 34100 - Motion for Computer Animation
 - CGT 34600 - Digital Video and Audio
 - CGT 45100 - Multimedia Application Development
 - CGT 35600 - Web Programming, Development and Data Integration
 - CGT 41501 - Contemporary Problems in Applied Computer Graphics
 - CGT 44200 - Production for Computer Animation
 - CGT 41600 - Senior Design Project
- or
- CGT 44600 - Post-Production and Special Effects for Computer Animation
 - CGT 45600 - Advanced Web Programming, Development and Data Integration

Other Required Courses (15 Credits)

Programming Course or Technology Elective (3 Credits)

Any course that emphasizes C++ or Java

OLS Electives (6 Credits)

Choose (2) OLS electives.

Technical Elective (3 Credits)

Any course in CGT, Technology, or AD (requires approval by CGT advisor)

Internship or CGT Elective (3 Credits)

- CGT 30800 - Prepress Production and Design
- CGT 30900 - Internship in Computer Graphics Technology
- CGT 31000 - Drawing, Acting and Scripts for Animation
- any CGT graduate course
- 30000 to 40000 level AD course in Sketching or Photography
- or advanced course in visual programming, modeling, and / or simulation may be taken as CGT electives

Total 120 Credits Required

Computer Information Technology, BS

The Computer Information Technology Bachelor of Science Program is based on curriculum standards of the Association for Computing Machinery/Institute of Electrical and Electronics Engineers - Computer Society (ACM/IEEE-CS) Information Technology Curriculum Guidelines that meets the requirements of Purdue University Northwest's instructional guidelines.

The curriculum has the student experience each individual topic in their first two years. The core is made up of general education courses and specific Information Technology requirements of the Guidelines. The core courses span knowledge areas that include computational thinking/problem solving, application development, database design and implementation, project management, human computer interaction, information assurance and security, networking technologies, platform technologies, and operating systems.

Many of our graduates pursue careers as software developers, web developers, mobile app developers, database analysts and developers, computer security specialists, network and system administrators, information technology architects, and project managers once they have finished their degrees.

The Computer Information Technology Bachelor of Science program is accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession. The program is hosted in a National Center of Academic Excellence in Cyber Defense Education designed by the U.S. Department of Homeland Security and National Security Agency with a special focus on Network Security Administration. The designation symbolizes that the program curriculum meets the national standard of cyber defense education.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
or
- MA 15300 - College Algebra
- MA 20500 - Discrete Mathematics for Computer Technology

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ITS 11000 - Web Systems Technology

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- ITS 10000 - Information Technology Fundamentals

Major Core (75 Credits)

- ITS 13500 - Operating Systems Technologies
- ITS 14000 - Introduction to Computer Algorithms and Logic
- ITS 17000 - Networking Technologies
- ITS 24000 - Programming Fundamentals
- ITS 24500 - Integrative Programming
- ITS 26000 - Applied Database Technologies
- ITS 27000 - Internetworking Technologies
- STAT 30100 - Elementary Statistical Methods
- ITS 25000 - Fundamentals of Information Assurance
- ITS 33000 - Advanced Operating Systems
- ITS 34000 - Advanced Programming
- ITS 35000 - Systems Assurance
- ITS 35200 - Disaster Recovery and Planning
- ITS 36000 - Distributed Application Architecture and Design
- ENGL 22000 - Technical Report Writing
- ITS 36200 - Distributed Application Development
- ITS 36400 - Database Modeling and Implementation
- ITS 37200 - System Administration and Management
- ITS 45000 - Software Assurance
- ITS 45200 - Computer Forensics
- ITS 46200 - Application Integration
- ITS 44000 - Mobile Application Development
- ITS 45400 - Assured Systems Design and Implementation
- ITS 47200 - Network Design and Implementation
- ITS 49000 - Senior Project Undergraduate Research

Other Required Courses (15 Credits)

Restricted Electives (15 Credits)

(5) from the list of courses provided below:

- COM 41500 - Discussion of Technical Problems
or
- PHIL 32400 - Ethics for the Professions
or
- OBHR 33000 - Introduction to Organizational Behavior

- ECET 10900 - Digital Fundamentals
- ECON 21000 - Principles of Economics
- IET 10400 - Industrial Organization

- IET 35200 - Operations Management
or
- BUSM 36000 - Production and Operations Management (has a prerequisite of BUSM 22500)

- IET 45100 - Monetary Analysis for Industrial Decisions
or
- BUSM 22500 - Fundamental Managerial Statistics

- MA 22300 - Introductory Analysis I
or
- MA 15910 - Introduction to Calculus
or
- MA 16019 - Applied Calculus I for Technology

- any higher level MA course

- ACC 20000 - Introductory Accounting
or
- MGMT 20000 - Introductory Accounting

- OLS 25200 - Human Relations in Organizations
or
- OBHR 33000 - Introduction to Organizational Behavior

- OLS 37600 - Human Resource Issues
or
- OBHR 44500 - Team Dynamics (OBHR 33000 is a prerequisite)

- ITS 30000 level or higher not already required in the plan of study.
- ITS 40000 level or higher not already required in the plan of study.
- An approved minor may be substituted for restricted electives.

Total 120 Credits Required

Department of Construction Science and Organizational Leadership

Bachelor of Science

Construction Engineering and Management Technology, BS

This major industry includes a variety of large general construction firms, small specialized contractors, materials suppliers, equipment manufacturers, and the design services of architects and engineers.

Each year architectural, construction, consulting engineering, industrial, laboratory testing, materials supplier, and surveying firms contact Purdue Northwest seeking baccalaureate degree graduates for work in the Chicagoland Region and in other parts of the country. This trend should continue since there are statistics that the present enrollment of technicians and technologists will not meet the needs of this country for many years.

Many of our graduates pursue careers as estimators, field superintendents, construction schedulers, expeditors, project managers, survey crew chiefs, materials technicians, architectural and civil draftspersons, and cost engineers once they have finished their degrees.

The Construction Engineering & Management Technology Bachelor of Science program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology

- MA 14800 - Algebra and Trigonometry for Technology II
or
- MA 15300 - College Algebra
- MA 15400 - Algebra and Trigonometry II

Natural Sciences (4 Credits)

- PHYS 22000 - General Physics

Technology (3 Credits)

- COM 25000 - Mass Communication and Society
or
- COM 26100 - Introduction to Digital Video Production

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- CEMT 10300 - Introduction to Construction Management

Major Core (89 Credits)

- CEMT 17000 - Materials and Systems of Construction
- CEMT 16001 - Statics
- CEMT 11200 - Survey Fundamentals Credit Hours: 3.00
- CEMT 11700 - Construction Graphics
- CEMT 26001 - Strength of Materials
- CEMT 25300 - Hydraulics and Drainage
- CEMT 27600 - Construction Specifications and Contracts
- CEMT 23000 - Mechanical and Electrical Systems Credit Hours: 3.00
- CEMT 26600 - Materials Testing
- CEMT 28100 - Structural Calculations
- CEMT 20900 - Land Surveying and Subdivision
- CEMT 22200 - Architectural Construction
- CEMT 32500 - Structural Applications
- CEMT 33100 - Properties and Behavior of Soils

- CEMENT 34101 - Construction Operations
- CEMENT 38000 - Concrete Construction Credit Hours: 3.00
- CEMENT 34400 - Construction Inspection
- CEMENT 34201 - Construction Costs and Bidding
- CEMENT 45000 - Construction Scheduling
- CEMENT 48900 - Senior Project Survey
- CEMENT 30600 - Construction and Route Surveying
- CEMENT 44500 - Construction Management I
- CEMENT 49000 - Senior Project
- CEMENT 30900 - Principles of Highway Construction

- CEMENT 34000 - Fundamentals of Construction Safety Credit Hours: 3.00
or
- OLS 33100 - Occupational Safety and Health

- ACC 20000 - Introductory Accounting
or
- ECON 21000 - Principles of Economics

- MA 16019 - Applied Calculus I for Technology

- CEMENT 49400 - Engineering Economics for Construction
or
- IET 30800 - Engineering Project Management and Economic Analysis

- STAT 30100 - Elementary Statistical Methods
- Lab Science Elective Credit Hours: 3.00

Total 120 Credits Required

Organizational Leadership and Supervision, BS

With a major in Organizational Leadership and Supervision, you will focus on leadership and innovation to develop skills as a leader for national and global technology enterprises. The broad curricula will help you learn how to lead in a variety of scenarios, from innovative technology organizations to global teams and organizational change. You will also take courses to understand how policies and law affect technology innovation and influence global technology and organizational leadership.

Many of our graduates pursue careers as corporate presidents and/or CEO's, project managers, production supervisors, project scheduler, human resource specialists, business administrators, and talent acquisition supervisors once they have finished their degrees.

The Organizational Leadership and Supervision Bachelor of Science program is accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
or
- MA 15300 - College Algebra
- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Select a Natural Sciences course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- OLS 16300 - Fundamentals of Self-Leadership

Major Core (57 Credits)

- OLS 25200 - Human Relations in Organizations
- PSY 12000 - Elementary Psychology
- OLS 13100 - Introduction to Safety and Health Management
- OLS 37400 - Supervisory Management
- OLS 38400 - Leadership Process
- BHS 20100 - Statistical Methods for the Behavioral Sciences
- OLS 37500 - Training Methods
- ECON 21000 - Principles of Economics
- OLS 35000 - Creativity in Business and Industry
- OLS 27200 - Job Evaluation
- OLS 37600 - Human Resource Issues
- OLS 45400 - Gender and Diversity in Management
- OLS 37800 - Labor and Management Relations
- OLS 47700 - Conflict Management
- OLS 47400 - Conference Leadership
- OLS 48300 - The Common Law of the Workplace
- OLS 46800 - Personnel Law
- OLS 49300 - Senior Project - Phase I
- OLS 49700 - Senior Project
- ENGL 42000 - Business Writing

Other Required Courses (33 Credits)

Career Specialization Elective (15 Credits)

A concentration of (5) job-related courses from the same subject area.

Natural Science Elective with Lab (3 Credits)

Any science course with a laboratory component (i.e. Biology, Physics, Chemistry, Geoscience, Earth Science).

Communication Elective (3 Credits)

Choose 1 course from:

- COM 31400 - Advanced Presentational Speaking
- COM 32200 - Leadership in Organization
- COM 32500 - Interviewing: Principles and Practice
- COM 43900 - Focus Group Research

Free Electives (6 Credits)

Choose any (2) 10000-level course or higher except MA 11500.

OLS Elective (3 Credits)

Any OLS course

Technical Elective (3 Credits)

Any course from a College of Technology program and approved by the OLS Program Academic Advisor.

Total 120 Credits Required

Organizational Leadership and Supervision, Environmental Health and Safety, BS

The Organizational Leadership and Supervision Bachelor of Science Degree offers an area of concentration in Environmental Health and Safety (EHS). EHS is a profession that involves the prevention of incidents/accidents, illnesses, fires, explosions, and other events which harm people, property, and the environment.

EHS professionals are an important component of most industries, including: communication, consulting, construction, government, healthcare, insurance, manufacturing, transportation, petroleum, and utilities.

Many of our graduates pursue careers as safety coordinators, safety supervisors, safety instructors/trainers, loss control specialists, and EHS specialists once they have finished their degrees.

The Organizational Leadership and Supervision Bachelor of Science program is accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
or
- MA 15300 - College Algebra
and
- MA 14800 - Algebra and Trigonometry for Technology II
or
- MA 15400 - Algebra and Trigonometry II

Natural Sciences (3 Credits)

Select a Natural Sciences course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- OLS 16300 - Fundamentals of Self-Leadership

Major Core (72 Credits)

- OLS 25200 - Human Relations in Organizations
- PSY 12000 - Elementary Psychology
- OLS 13100 - Introduction to Safety and Health Management
- OLS 30000 - Safety and Health for Engineering Technologies
- OLS 34300 - Hazardous Materials
- STAT 30100 - Elementary Statistical Methods
- OLS 37500 - Training Methods
- ECON 21000 - Principles of Economics
- OLS 33300 - Environmental Health and Safety Legislation and Standards
- OLS 33400 - Fire Protection

- OLS 24200 - Fundamentals of Ergonomics
- OLS 33200 - Fundamentals of Industrial Hygiene
- OLS 33600 - Fundamentals of Risk Assessment and Management
- OLS 35500 - Incident Investigation
- OLS 45400 - Gender and Diversity in Management
- OLS 34100 - Fundamentals of Environmental Health
- OLS 33700 - Introduction to Emergency Management
- OLS 34000 - Fundamentals of Construction Safety
- OLS 47400 - Conference Leadership
- OLS 41500 - Introduction to Environmental Management
- OLS 43000 - Environmental Health and Safety Management
- OLS 49300 - Senior Project - Phase I
- OLS 42100 - Psychology and Sociology of Safety
- OLS 49700 - Senior Project
- ENGL 42000 - Business Writing

Other Required Courses (18 Credits)

Chemistry Course (3 Credits)

Any CHM 10000 level course

Communication Elective (3 Credits)

Choose 1 course from:

- COM 31400 - Advanced Presentational Speaking
- COM 32200 - Leadership in Organization
- COM 32500 - Interviewing: Principles and Practice
- COM 43900 - Focus Group Research

OLS Electives (6 Credits)

Any (2) OLS courses

Free Elective (3 Credits)

Choose any 10000-level course or higher except MA 11500.

Technical Elective (3 Credits)

Any course from a College of Technology program and approved by the OLS Program Academic Advisor.

Total 120 Credits Required

Department of Engineering Technology

Bachelor of Science

Electrical Engineering Technology, BS

The program of Electrical Engineering Technology offers courses that emphasize practical aspects of engineering along with abstract concepts and theories. The courses are a blend of the application of engineering knowledge, scientific principles and technical skills used in modern industrial infrastructure. The Electrical Engineering Technology program at Purdue University Northwest is designed to inculcate students with an aptitude of applying their knowledge with scientific and objective reasoning. The mission of the Electrical Engineering Technology program is to provide career educational opportunities to students who have a hands-on aptitude and are oriented towards applications. The program offers academic preparation for careers in embedded computer systems, electrical power and renewable energy, electronics, control, and telecommunications. The curriculum provides a strong background in technical subjects integrating theory with extensive hands-on laboratory training, mathematics, science, and rounding off with courses in humanities and general education. Students will complete a Senior Design Project, which is a one-year capstone individual/team project that provides the opportunity to pursue an idea from conception to design, then execute into a demonstrable project. The program's goal is to produce graduates who are equipped with marketable skills and potential for growth to meet the technical manpower needs of the society.

The Electrical Engineering Technology Bachelor of Science program is accredited by the Engineering Technology Accreditation Commission of ABET, Inc. <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Options in EET:

1. Power and Modern Energy Systems
2. Integrated Smart Electronic Systems

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 14700 - Algebra and Trigonometry for Technology

Natural Sciences (4 Credits)

- PHYS 22000 - General Physics

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Select a course from any Core list except FYE

First-Year Experience (FYE) (3 Credits)

- ECET 10001 - Introduction to Electrical and Computer Engineering Technology

Major Core (89 Credits)

- ECET 10900 - Digital Fundamentals
- ECET 10201 - Direct Current Circuits and Components
- ECET 15900 - Digital Applications
- ECET 21000 - Structured C++ Programming for Electromechanical Systems
- MA 14800 - Algebra and Trigonometry for Technology II
- ECET 15201 - Alternating Current Circuits and Analysis
- ECET 15401 - Electronic Components and Circuits
- ECET 20901 - Microcontroller Applications
- ECET 21201 - Electrical Power and Motors
- MA 16019 - Applied Calculus I for Technology
- MA 16021 - Applied Calculus II and Differential Equations
- ECET 45600 - Operating System with Embedded System Design

- ECET 38400 - Advanced Mathematical Methods in EET
- ECET 30301 - Telecommunication Systems
- ECET 33100 - Generation and Transmission of Electrical Power
- ECET 37300 - Renewable Energy Sources and Modeling Credit Hours: 3.00
- ECET 39200 - Digital Signal Processing
- ECET 26200 - Programmable Logic Controllers
- ECET 31201 - Power Electronics Fundamentals
- IET 30800 - Engineering Project Management and Economic Analysis
- ECET 40400 - Wireless Communication and Networking
- ECET 36200 - Process Control Instrumentation
- ECET 45500 - Object Oriented System Design
- ECET 49000 - Senior Design Project Phase I
- ECET 49100 - Senior Design Project Phase II
- Independent Study/Internship/Wellness Credit Hours: 1.00
- 400 Level ECET Electives (2) Credit Hours: 6.00
- Humanities Elective Credit Hours: 3.00
- Social Science Elective Credits Hours: 3.00
- Science or Math Elective Credit Hours: 3.00

Total 120 Credits Required

Effective Fall 2016, newly admitted students or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science with a major in Electrical Engineering Technology". Formerly, this degree option was known as "Bachelor of Science with a major in Engineering Technology, and a concentration in Electrical & Computer Engineering Technology" at the North Central campus.

Mechanical Engineering Technology, BS

The Bachelor of Science degree program in prepares graduates for technical positions in manufacturing and production industries. Students with a degree in mechanical engineering technology fill a wide variety of industrial positions in product development, manufacturing, production, supervision, and plant operations. Many graduates continue their careers into high level management positions.

The primary goal of the curriculum is to provide graduates with a solid technical foundation which will enable them to adapt and grow into a wide variety of employment opportunities. Students will complete a Senior Design Project, which is a one-year capstone individual/team project that provides the opportunity to pursue an idea from conception to design, then execute into a demonstrable project.

The mechanical engineering technology program is accredited by the Engineering Technology Accreditation Commission of ABET, Inc. <http://www.abet.org>.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 14700 - Algebra and Trigonometry for Technology

Natural Sciences (8 Credits)

- PHYS 22000 - General Physics
- PHYS 22100 - General Physics

Technology (1 Credit)

- MET 16100 - Introduction to Engineering Technology

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- MET 10000 - Production Drawing and Computer-Aided Design

Major Core (75 Credits)

- MET 24200 - Manufacturing Processes II
- MA 14800 - Algebra and Trigonometry for Technology II
- MET 11800 - Applied Mechanics: Statics
- MET 14100 - Materials I

- MET 16200 - Computational Analysis Tools in MET
- MET 10100 - Introduction to Parametric Modeling
- MA 16019 - Applied Calculus I for Technology
- MET 21100 - Applied Strength of Materials
- MET 21300 - Dynamics
- MET 10200 - Production Design and Specifications
- MET 23000 - Fluid Power
- MA 16021 - Applied Calculus II and Differential Equations
- MET 21500 - Machine Elements Credit Hours: 3.00
- ECET 21401 - Introduction to Electricity and Electronics
- MET 32900 - Applied Heat Transfer
- IET 30800 - Engineering Project Management and Economic Analysis
- STAT 30100 - Elementary Statistical Methods
- IET 35200 - Operations Management
- MET 38200 - Controls and Instrumentation for Automation
- OLS 30000 - Safety and Health for Engineering Technologies
- MET 32500 - Applied Thermodynamics I
- MET 46100 - Computer Integrated Design and Manufacturing
- MET 31300 - Applied Fluid Mechanics
- MET 49500 - Senior Project Survey
- MET 49700 - Senior Project

Other Required Courses (15 Credits)

MET/IET Electives (6 Credits)

Any (2) 30000 level or higher MET or IET course with advisor approval.

Tech/CHM Elective (3 Credits)

Suggest a Chemistry (CHM) course or other course with advisor approval.

COM/OLS Elective (3 Credits)

Any COM or OLS course 30000 level and above

Computer Programming Course (3 Credits)

Any programming course from ECET or CIT with advisor approval.

Total 120 Credits Required

Mechatronics Engineering Technology, BS

The Mechatronics Engineering Technology program at Purdue University Northwest is a Synergistic integration of Mechanical, Electrical, Control, Hydraulics, High Speed Automation, Robotics, Networking, and Computer Systems for Industry. Students will learn automation and industrial control, integration of robotics in advanced manufacturing, electrical power and machinery, computer aided design, production design and specification required for the closely aligned manufacturing and packaging industries. Industrial collaboration and internship reinforces course work and provides real world experience, an invaluable credential sought by industry. Students will complete a Senior Design Project, which is a one-year capstone individual/team project that provides the opportunity to pursue an idea from conception to design, then execute into a demonstrable project.

The Mechatronics Engineering Technology Bachelor of Science program is accredited by the Engineering Technology Accreditation Commission of ABET, Inc. <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 15900 - Precalculus

Natural Sciences (4 Credits)

- PHYS 22000 - General Physics

Technology (3 Credits)

- MET 10000 - Production Drawing and Computer-Aided Design

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- ET 10000 - Introduction to Engineering Technology

Major Core (84 Credits)

- ECET 10900 - Digital Fundamentals
- MET 11800 - Applied Mechanics: Statics
- MET 24200 - Manufacturing Processes II
- ECET 10201 - Direct Current Circuits and Components
- MA 16019 - Applied Calculus I for Technology
- MET 21100 - Applied Strength of Materials
- ECET 15201 - Alternating Current Circuits and Analysis
- MET 21300 - Dynamics
- MET 23000 - Fluid Power
- ECET 21201 - Electrical Power and Motors
- MCET 21700 - Introduction to Process Control
- ECET 26200 - Programmable Logic Controllers
- MA 16021 - Applied Calculus II and Differential Equations
- MET 14100 - Materials I
- MET 21501 - Applied Machine Elements
- MCET 47200 - Programmable Logic Controllers for Advanced Mechatronics Applications
- MET 42000 - Machine Design
- OLS 30000 - Safety and Health for Engineering Technologies
- IET 30800 - Engineering Project Management and Economic Analysis
- MCET 33000 - Industrial Programming and Networking
- ET 15100 - Career Planning
- OLS 47400 - Conference Leadership
- ECET 36200 - Process Control Instrumentation
- ET 49500 - Senior Project Survey
- MCET 46200 - Application of Computers in Process Control
- OLS 35000 - Creativity in Business and Industry
- ET 49700 - Senior Project
- MCET 48200 - Application of Industrial Robots for Advanced Manufacturing

Other Required Courses (6 Credits)

Concentration Electives (6 Credits)

Choose 2 of the following:

- MET 10200 - Production Design and Specifications
- MET 30500 - Computer-Aided Design With Applications
- MET 31300 - Applied Fluid Mechanics
- MET 31500 - Applied Mechanism Kinematics and Dynamics
- MET 32500 - Applied Thermodynamics I
- MET 32900 - Applied Heat Transfer
- MET 34700 - Programming of Automation Systems
- MET 42100 - Air Conditioning and Refrigeration
- MET 46100 - Computer Integrated Design and Manufacturing (E X L)
- ECET 15400 - Analog Electronics I
- ECET 15900 - Digital Applications
- ECET 20900 - Introduction to Microcontrollers
- ECET 21000 - Structured C++ Programming for Electromechanical Systems
- ECET 31200 - Power Electronics
- ECET 45600 - Operating System with Embedded System Design
- IET 26400 - Fundamentals of Lean Work Design
- IET 27300 - Principles of Quality and Process Improvement
- IET 35500 - Statistical Process Control I
- IET 41100 - Applications of Lean and Six Sigma Methodologies
- or other course approved by advisor.

Total 120 Credits Required

General Education Core List

General Education Core List

Information regarding Statewide Transfer General Education Core (STGEC) can be found [here](#).

First Year Experience

- BUSM 10000 - Freshman Seminar in Business
- BUSM 10100 - Introduction to Business
OR GBG12700 Development of Business in the United States
- BCM 10001 - Introduction to Construction
- BHS 10300 - Freshman Experience in Behavioral Sciences
- BIOL 10700 - Freshman Experience in Biological Sciences
- CHM 19400 - Freshman Chemistry Orientation
- CMET 10300 - Introduction to Construction Management
- CNIT 10100 - Orientation to Computer and Information Technology
- CNIT 19000 - CNIT Problem Solving
- COM 10300 - The Freshman Seminar in Communication
- CS 10000 - An Introduction to Computer Science
- ECET 10000 - Introduction to Electrical and Computer Engineering Technology
- EDST 20000 - History and Philosophy of Education
- EDST 27000 - Early Childhood Education
- ENGR 17100 - Engineering Fundamentals I
- ENGR 18600 - First Year Seminar for Engineers
- ET 10000 - Introduction to Engineering Technology
- FLL 10300 - Freshman Experience Worldviews
- GS 19100 - First-Year Experience I
- HTM 10000 - Introduction to the Hospitality and Tourism Industry
- HTM 10100 - Hospitality and Tourism Student Seminar
- ITS 10000 - Information Technology Fundamentals
- MA 10000 - An Introduction to Mathematical Sciences
- MET 16100 - Introduction to Engineering Technology
- NUR 18100 - Introduction to Professional Nursing
- OLS 16300 - Fundamentals of Self-Leadership
- PHYS 19400 - Freshman Physics Orientation
- POL 20000 - Introduction to the Study of Political Science

English Composition

- ENGL 10000 - English Composition
- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II
- ENGL 10800 - Accelerated First-Year Composition

- ENGL 22000 - Technical Report Writing
- ENGL 30700 - Written and Oral Communication for Engineers
- ENGL 42000 - Business Writing

Humanities

- AD 25500 - Art Appreciation
- BUSM 10100 - Introduction to Business
OR GBG12700 Development of Business in the United States
- COM 24000 - Introduction to Oral Interpretation
- ENGL 20100 - The Nature of Literary Study
- ENGL 20500 - Introduction to Creative Writing
- ENGL 21600 - Ethics and Literature
- ENGL 22100 - Introduction to Shakespeare
- ENGL 23100 - Introduction to Literature
- ENGL 23500 - Introduction to Drama
- ENGL 23700 - Introduction to Poetry
- ENGL 23800 - Introduction to Fiction
- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period
- ENGL 25700 - Literature of Black America
- ENGL 26600 - World Literature: From the Beginnings to 1700 A.D.
- ENGL 26700 - World Literature: From 1700 A.D. to the Present
- ENGL 28600 - The Movies
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period
- ETHN 20100 - The Hispanic American Experience
- GBG 25900 - Law and Society
- HIST 10200 - Introduction to the Ancient World
- HIST 10300 - Introduction to the Medieval World
- HIST 10400 - Introduction to the Modern World
- HIST 10500 - Survey of Global History
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877
- HIST 31600 - History of Architecture II
- IDIS 23500 - Introduction to Great Issues
- LALS 10100 - Introduction to Latin American Studies
- MUS 25000 - Music Appreciation
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics
- PHIL 12000 - Critical Thinking
- PHIL 15000 - Principles of Logic
- PHIL 20600 - Philosophy of Religion
- PHIL 21900 - Introduction to Existentialism

- PHIL 32400 - Ethics for the Professions
- SPAN 23500 - Spanish American Literature in Translation
- SPAN 24100 - Introduction to the Study of Hispanic Literature
- SPAN 33500 - The Literature of the Spanish-Speaking Peoples in the United States
- THTR 20100 - Theatre Appreciation
- THTR 30800 - The History and Development of the American Musical Theatre

Natural Sciences

- ASTR 26300 - Descriptive Astronomy: The Solar System
- ASTR 26400 - Descriptive Astronomy: Stars and Galaxies
- BIOL 10008 - Foundation of Biology
- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology
- BIOL 11000 - Fundamentals of Biology I
- BIOL 14300 - Current Topics in Modern Biology
- BIOL 21000 - Field Biology
- BIOL 21300 - Human Anatomy and Physiology I
- BIOL 22200 - Aids Online International
- BIOL 30300 - Birds of Northwest Indiana
- BIOL 32400 - Natural History of the Smoky Mountains
- BIOL 32500 - Natural History of North West Indiana
- CHM 10300 - Chemistry & Society
- CHM 11100 - General Chemistry
- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- CHM 11900 - General Chemistry
- EAS 10000 - Planet Earth
- EAS 10400 - Oceanography
- EAS 11000 - Survey of Geology
- EAS 11300 - Introduction to Environmental Science
- EAS 12000 - Introduction to Geography
- EAS 22200 - Weather Studies
- FN 30300 - Essentials of Nutrition
- PHYS 15200 - Mechanics
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- PHYS 25100 - Heat, Electricity and Optics
- PHYS 30300 - History and Philosophy of Science
- SCI 10300 - Survey of the Biological World
- SCI 10400 - Introduction to Environmental Biology
- SCI 10500 - Invitation to Human Biology
- SCI 10601 - Food Chemistry
- SCI 11200 - Introduction to the Physical Sciences I
- SCI 11300 - Introduction to the Physical Sciences II
- SCI 11400 - Introduction to Life Science

- SCI 12200 - Origin of the Universe
- SCI 13100 - Science and Environmental Issues
- SCI 15000 - Brewing Science
- SCI 20200 - Environmental Science

Oral Communication

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning

- BUSM 10500 - Quantitative Methods for Business
- BUSM 22500 - Fundamental Managerial Statistics
- CGT 11000 - Technical Graphics Communications
- CNIT 12700 - Microcomputer Spreadsheet Applications
- CNIT 26700 - Introduction to C++ Language Programming
- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics
- ENGR 18900 - C++ Language Programming for Engineering and Technology Applications
- IET 35200 - Operations Management
- MA 12301 - Mathematical Ideas
- MA 13700 - Mathematics for Elementary Teachers I
- MA 13800 - Mathematics for Elementary Teachers II
- MA 13900 - Mathematics for Elementary Teachers III
- MA 14700 - Algebra and Trigonometry for Technology
- MA 15200 - College Algebra
- MA 15300 - College Algebra
- MA 15400 - Algebra and Trigonometry II
- MA 15900 - Precalculus
- MA 15910 - Introduction to Calculus
- MA 16031 - Calculus I for Life Sciences
- MA 16100 - Plane Analytic Geometry and Calculus I
- MA 16200 - Plane Analytic Geometry and Calculus II
- MA 16300 - Integrated Calculus Analysis Geometry I
- MA 16700 - Plane Analytical Geometry & Calculus I
- MA 16900 - Plane Analytical Geometry and Calculus II
- MA 21300 - Finite Mathematics I
- MA 22300 - Introductory Analysis I
- MA 22400 - Introductory Analysis II
- MA 26100 - Multivariate Calculus
- MA 26200 - Linear Algebra and Differential Equations
- MET 16200 - Computational Analysis Tools in MET
- MET 29900 - Mechanical Engineering Technology
- PSY 20100 - Introduction to Statistics in Psychology
- SOC 38200 - Introduction to Statistics in Sociology

- STAT 11300 - Statistics and Society
- STAT 13000 - Statistics and Contemporary Life
- STAT 30100 - Elementary Statistical Methods

Social Sciences

- ANTH 10000 - Introduction to Anthropology
- ANTH 10500 - Cultural Anthropology
- BUSM 38000 - International Business
- COM 20400 - Critical Perspectives on Communication
- COM 21200 - Approaches to the Study of Interpersonal Communication
- COM 25000 - Mass Communication and Society
- COM 32000 - Small Group Communication
- COM 32400 - Introduction to Organizational Communication
- ECON 10100 - Survey of Economics
- EDFA 20000 - History and Philosophy of Education
- FIN 24000 - Personal Financial Management
- HDFS 21000 - Introduction to Human Development
- OLS 25200 - Human Relations in Organizations
- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World
- PSY 12000 - Elementary Psychology
- PSY 24000 - Introduction to Social Psychology
- PSY 34400 - Human Sexuality
- SOC 10000 - Introductory Sociology
- SOC 22000 - Social Problems
- SWRK 26100 - Introduction to Social Work

Technology

- ECET 10700 - Introduction to Circuit Analysis
- ECET 10900 - Digital Fundamentals
- ECET 15700 - Electronics Circuit Analysis
- ECET 15900 - Digital Applications
- ECET 20900 - Introduction to Microcontrollers
- ECET 21300 - Survey of Electricity and Electronics
- ECON 25200 - Macroeconomics
- EDCI 12000 - Technology in Society: Online Communication and Publishing
- EDCI 13000 - Technology in Society: Digital Media and Learning
- EDCI 26000 - Introduction to Computers in Education
- EDCI 27000 - Introduction to Educational Technology and Computing
- EDCI 32300 - Educational Technology for Teaching and Learning
- ENGR 15100 - Software Tools for Engineers
- ENGR 18900 - C++ Language Programming for Engineering and Technology Applications

- FIN 24000 - Personal Financial Management
- IET 10400 - Industrial Organization
- IET 35200 - Operations Management
- ISM 10200 - Computer Utilization for Management
- ISM 21100 - Principles of Information Systems
- ITS 10000 - Information Technology Fundamentals

Programs of Study

Degree Maps - <http://www.pnw.edu/catalog/degree-maps/>

Undergraduate

Accounting, BSA

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or higher

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

General Ed Elective (6 Credits)

Select courses off course list, except FYE

MA 15910 - Introduction to Calculus is highly recommended as one of the General Education/Free electives. Otherwise, select any approved general education course. Verify electives with an academic advisor.

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- BUSM 34400 - Business Ethics
or
- PHIL 32400 - Ethics for the Professions
- STAT 30100 - Elementary Statistical Methods
or
- BUSM 22500 - Fundamental Managerial Statistics
- ACC 20000 - Introductory Accounting
- ACC 20100 - Introductory Management Accounting
- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics
- FIN 31000 - Financial Management
- MKG 22400 - Principles of Marketing
- OBHR 33000 - Introduction to Organizational Behavior
or
- OBHR 22100 - Principles of Management
- BUSM 35400 - Legal Foundations of Business I
- ISM 21100 - Principles of Information Systems
or
- CNIT 12700 - Microcomputer Spreadsheet Applications
- BUSM 32000 - Business Communication

- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
or
- BUSM 40100 - Global Business
- BUSM 45000 - Strategic Management: Capstone
- BUSM 20000 - Second Year Seminar in Business
and
- BUSM 30000 - Third Year Seminar in Business

Major Core (18 Credits)

- ACC 35000 - Intermediate Accounting I
- ACC 35100 - Intermediate Accounting II
- ACC 40400 - Tax Accounting
- ACC 40600 - Auditing
- ACC 40700 - Managerial/Cost Accounting
- ACC 40900 - Accounting Information Systems

Other Required Courses (21 Credits)

Accounting Elective, 300 level + (3 Credits)

- ACC 40200 - Financial Statements Analysis
- ACC 49500 - Internship in Accounting
or
- ACC 49510 - Internship in Tax Accounting
- ACC 49900 - Undergraduate Research in Accounting
- ACC 49000 - Independent Study in Accounting Practice or Research

Business Electives, 300 level + (9 Credits)

Any subject code from the College of Business

Free Electives (9 Credits)

Any course 10000 level or higher except for CHM 10000, GNS 29000, MA 11100 and MA 11500. Verify electives with an academic advisor.

Total 120 Credits Required

Effective Fall 2016, newly admitted students or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science Accounting" (BSA). Formerly, this degree option was known as "Bachelor of Science with a major in Business, and a concentration in Accounting" at the North Central campus.

Behavioral Sciences, BA

The Bachelor of Arts in Behavioral Sciences (BABS) is designed to give students the necessary background for entry-level employment in social services, currently one of the fastest-growing fields in the Midwest. It also provides a solid foundation for students wishing to pursue graduate work in psychology or sociology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 12301 - Mathematical Ideas

Natural Sciences (3 Credits)

Select from the Natural Science Core list

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

- ENGL 23100 - Introduction to Literature
or
- HIST 10300 - Introduction to the Medieval World

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- ANTH 10500 - Cultural Anthropology
or
- ANTH 14100

First-Year Experience (FYE) (3 Credits)

- HIST 15100 - American History to 1877
- POL 13000 - Introduction to International Relations
- SWRK 26100 - Introduction to Social Work

Supplemental Core (30 Credits)

Modern Language (6 Credits)

U.S. Tradition (3 Credits)

Western Heritage (3 Credits)

Global Cultures (3 Credits)

Literature and the Arts (3 Credits)

Racial and Ethnic Diversity (3 Credits)

Gender Issues (3 Credits)

Social Ethics (3 Credits)

Individual and Society (3 Credits)

Behavioral Sciences - Generalist Core (12 Credits)

- SOC 10000 - Introductory Sociology
- SOC 38200 - Introduction to Statistics in Sociology
- SOC 38300 - Introduction to Research Methods in Sociology

Choose One:

- ANTH 10000 - Introduction to Anthropology
- SWRK 26100 - Introduction to Social Work

Electives (48 Credits)

Psychology Elective Courses (6 Credits)

(2) Psychology elective courses at 200 level +

Sociology Elective Courses (6 Credits)

(2) Sociology elective courses at 200 level +

History Elective (3 Credits)

Anthropology Elective Course (3 Credits)

Anthropology elective course at 200 level +

Anthropology, Sociology, or Psychology Courses (6 Credits)

(2) Anthropology, Sociology, or Psychology Courses at 300 level +

Free Electives (24 Credits)

Total 120 Credits Required

Behavioral Sciences, Sociology, BA

The Bachelor of Arts in Behavioral Sciences (BABS) is designed to give students the necessary background for entry-level employment in social services, currently one of the fastest-growing fields in the Midwest. It also provides a solid foundation for students wishing to pursue graduate work in psychology or sociology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 12301 - Mathematical Ideas

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

- ENGL 23100 - Introduction to Literature
or
- HIST 10300 - Introduction to the Medieval World

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- ANTH 10500 - Cultural Anthropology
or

- POL 14100 - Governments of the World

First-Year Experience (FYE) (3 Credits)

- HIST 15100 - American History to 1877
or
- POL 13000 - Introduction to International Relations

Supplemental Core (30 Credits)

Modern Language (6 Credits)

U.S. Tradition (3 Credits)

Western Heritage (3 Credits)

Global Cultures (3 Credits)

Literature and the Arts (3 Credits)

Racial and Ethnic Diversity (3 Credits)

Gender Issues (3 Credits)

Social Ethics (3 Credits)

Individual and Society (3 Credits)

Behavioral Sciences - Sociology Core (12 Credits)

- SOC 10000 - Introductory Sociology
- SOC 38200 - Introduction to Statistics in Sociology
- SOC 38300 - Introduction to Research Methods in Sociology

Choose One:

- ANTH 10000 - Introduction to Anthropology
- SWRK 26100 - Introduction to Social Work

Electives (48 Credits)

Sociology Electives (21 Credits)

(7) Sociology Elective Courses, 200 level +

Free Electives (27 Credits)

Total 120 Credits Required

Biology, Biotechnology, BS

Students gain hands on experience in labs and learn how to use equipment that is ubiquitous in modern biological research.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences

Natural Sciences (4 Credits)

- CHM 11500 - General Chemistry

Technology (3 Credits)

- CNITCIS20400

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (4 Credits)

- BIOL 10100 - Introductory Biology

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (52 Credits)

- BIOL 10200 - Introductory Biology
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- STAT 33001 - Biostatistics
- BIOL 31600 - Basic Microbiology
- PHYS 22000 - General Physics
- BIOL 3XX00 - Introduction to Biotechnology Credit Hours: 3.00
- PHYS 22100 - General Physics
- CHM 33300 - Principles of Biochemistry
- BIOL 42600 - Senior Capstone
- BIOL 50800 - Recombinant DNA Techniques

Other Required Courses (38 Credits)

Biotechnology Electives (12 Credits)

Select (4) Biotechnology electives. Take minimum 6 credits from Group A and the rest can be from Group A or B. Maximum 3 credits of biotechnology related independent study, research, and internship can be used to fulfill the minimum 12 credit elective requirement.

Group A:

- BIOL 33300 - Ecology
- BIOL 35700 - Introductory Animal Physiology
- BIOL 32020 - Biology of the Immune System
- BIOL 50700 - Principles of Molecular Biology
- BIOL 59500 - Special Assignments

Group B:

- BIOL 30700 - Plant Physiology
- BIOL 41800 - Drugs and Disease
- BIOL 4XXXX - Experimental Design
- BIOL 48800 - Biological Sciences Internship (Biotechnology Related)
- BIOL 48900 - Biological Sciences Research (Biotechnology Related)
- BIOL 51601 - Food Microbiology
- BIOL 51605 - Environmental Microbiology
- BIOL 51801 - Biology Ethical Frontiers
- BIOL 53300 - Medical Microbiology
- BIOL 54401 - Epigenetics
- BIOL 56100 - Immunology

- BIOL 49500 - Special Assignments
or
- BIOL 59500 - Special Assignments (Biotechnology Related)

Humanities/Social Science Electives (9 Credits)

Select (3) Humanities/Social Science Electives. Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (3) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, and WOST

EXL Elective (1 Credit)

(no minimum credit requirement)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses range from 0 to 3 credits. BIOL 21000, BIOL 34200, BIOL 48800, BIOL 48900, SCI 49100, ENGL 10500, ENGL 41401, and IDIS 10001 can be used to fulfill this requirement. Any other E X L courses are acceptable.

Free Electives (16 Credits)

Any (5) courses from the PNW curriculum are acceptable but students must complete at least one elective course at the 30000 level or higher. One free elective must be a 4 credit hour course.

Total 120 Credits Required

Biology, BS

The biological sciences are undergoing an extraordinary revolution, and the plans of study are formulated to give students a broad basis for comprehending the diverse nature of this field. Biology builds upon this knowledge and attempts to understand the complex systems that ultimately give rise to biodiversity. Our curriculum is designed so that this basic biological knowledge can readily be applied to critical practical problems in health and medicine, agriculture and the management of other renewable resources, and the nature of populations and their control.

The amount of information that is currently being discovered in the biological world is daunting, and we recognize that some students may want to focus within an area of specialization. Students begin our curriculum with a four-semester biology core. These courses provide a common knowledge base for all biology majors. The sequence begins with an overview of evolutionary, environmental, and organismal concepts, and then proceeds to examine relationships between development, structure, and function as adaptational mechanisms. The third and fourth semesters are concerned with cellular organization and function followed by genetic and molecular principles so important to modern biology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 22300 - Introductory Analysis I
or
- MA 16031 - Calculus I for Life Sciences

Natural Sciences (4 Credits)

- CHM 11500 - General Chemistry

Technology (3 Credits)

- CNIT 10700 - Computers and Software Packages
or
- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (4 Credits)

- BIOL 10100 - Introductory Biology

First-Year Experience (FYE) (1 Credit)

- BIOL 11400 - Freshman Experience
or
- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (36 Credits)

- BIOL 10200 - Introductory Biology
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology

- BIOL 31100 - Introduction to Evolution
or
- BIOL 58000 - Evolution
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- STAT 30100 - Elementary Statistical Methods
or
- STAT 33001 - Biostatistics
- BIOL 39300 - Preparing for Your Future in Biology
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- BIOL 40700 - Capstone Experience
or
- BIOL 42600 - Senior Capstone

Other Required Courses (52-54 Credits)

Supplemental Core Electives (6 Credits)

(2) Supplemental Core Electives.

Biology Required Electives (8 Credits)

Choose two of the following three categories, and then choose a course from each of the chosen categories. The course not chosen in the three categories can be used to meet the General Biology Concentration Elective requirement.

Category 1:

- BIOL 21400 - Human Anatomy and Physiology II
- BIOL 30700 - Plant Physiology
- BIOL 35700 - Introductory Animal Physiology

Category 2:

- BIOL 31600 - Basic Microbiology

Category 3:

- BIOL 33300 - Ecology

Biology Electives (20 Credits)

(5) 30000 level or above biology courses are typically used to fulfill this requirement. If 20000 level courses are taken students must make sure they still meet the requirement of a minimum of 32 credits of 30000 level courses needed to graduate.

Free Electives (18-20 Credits)

Any (6) courses from the PNW curriculum are acceptable but students must complete at least 32 hours of college credit at the 30000 or higher level in order to graduate. Additional Biology credits can also fulfill this requirement and provide students with a more extensive knowledge base in their field which may be advantageous when seeking employment or pursuing further education.

Total 120 Credits Required

Biology, Ecology, BS

This concentration prepares students with knowledge in the field investigative techniques, environmental testing, wildlife management, and biodiversity tools essential to maintaining a healthy ecosystem.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
- or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (49 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- BIOL 33300 - Ecology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- CHM 32400 - Survey of Environmental Chemistry
- BIOL 58000 - Evolution
- BIOL 42600 - Senior Capstone

Other Required Courses (41 Credits)

Concentration Required Course (4 credits)

Choose one:

- BIOL 30700 - Plant Physiology
- BIOL 31600 - Basic Microbiology
- BIOL 35700 - Introductory Animal Physiology

Concentration Elective (12 Credits)

Select (4) concentration electives. Choose 9 credits from Group A and 3 credits from Group B:

Group A:

- BIOL 40500 - Conservation Biology
- BIOL 41200 - Climate Change and the Environment
- BIOL 41300 - Aquatic Ecology
- BIOL 41400 - Invasive Species Ecology
- BIOL 48800 - Biological Sciences Internship (Ecology Related EXL)
- BIOL 48900 - Biological Sciences Research (Ecology Related EXL)
- BIOL 49500 - Special Assignments
- BIOL 51605 - Environmental Microbiology
- BIOL 58700 - Biogeography
- BIOL 58800 - Plant Ecology
- BIOL 59100 - Field Ecology
- BIOL 59500 - Special Assignments (Ecology Related)
- Animal Behavior
- Ornithology
- Wetland Ecology
- Independent Study Related to Ecology

Group B:

- BIOL 30700 - Plant Physiology
- BIOL 31600 - Basic Microbiology
- BIOL 35700 - Introductory Animal Physiology
- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques
- BIOL 51801 - Biology Ethical Frontiers
- BIOL 54401 - Epigenetics

EXL Elective (1 Credit)

(no minimum credit required)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses ranges from 0 to 3 credits. BIOL 21000, BIOL 34200, BIOL 48800, BIOL 48900, SCI 49100, ENGL 10500, ENGL 41401, and IDIS 10001 can be used to fulfill this requirement. Any other E X L courses are acceptable.

Humanities/Social Sciences Electives (9 Credits)

Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (3) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Free Electives (15 Credits)

Any (5) courses from the PNW curriculum are acceptable, students must complete at least two elective courses at the 30000 level or higher.

Total 120 Credits Required

Biology, General Biology, BS

The biological sciences are undergoing an extraordinary revolution, and the plans of study are formulated to give students a broad basis for comprehending the diverse nature of this field. Biology builds upon this knowledge and attempts to understand the complex systems that ultimately give rise to biodiversity. Our curriculum is designed so that this basic biological knowledge can readily be applied to critical practical problems in health and medicine, agriculture and the management of other renewable resources, and the nature of populations and their control.

The amount of information that is currently being discovered in the biological world is daunting, and we recognize that some students may want to focus within an area of specialization. Students begin our curriculum with a four-semester biology core. These courses provide a common knowledge base for all biology majors. The sequence begins with an overview of evolutionary, environmental, and organismal concepts, and then proceeds to examine relationships between development, structure, and function as adaptational mechanisms. The third and fourth semesters are concerned with cellular organization and function followed by genetic and molecular principles so important to modern biology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (46 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- PHYS 22000 - General Physics

- PHYS 22100 - General Physics
- CHM 33300 - Principles of Biochemistry
- BIOL 58000 - Evolution
- BIOL 42600 - Senior Capstone

Other Required Courses (41 Credits)

Concentration Required Courses (7-8 Credits)

Choose two of the following three categories, and then choose a course from each of the chosen categories. The course not chosen can be used to meet the General Biology Concentration Elective requirement.

Category 1:

- BIOL 21400 - Human Anatomy and Physiology II
- BIOL 30700 - Plant Physiology
- BIOL 35700 - Introductory Animal Physiology

Category 2:

- BIOL 31600 - Basic Microbiology

Category 3:

- BIOL 33300 - Ecology

Biology Electives (12 Credits)

Only (4) 30000 level or above biology courses can be used to fulfill this requirement. BIOL 33000 and BIOL 34200 cannot be used to fulfill this requirement. Maximum 3 credits of independent studies/research/BIOL 48800 internship can be used to fulfill this requirement.

EXL Elective (1 Credit)

(no minimum credit requirement)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses range from 0 to 3 credits. BIOL 21000, BIOL 34200, BIOL 48800, BIOL 48900, SCI 49100, ENGL 10500, ENGL 41401, and IDIS 10001 can be used to fulfill this requirement. Any other E X L courses are acceptable.

Humanities/Social Sciences Electives (9 Credits)

Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (3) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Free Electives (15 Credits)

Any (5) courses from the PNW curriculum are acceptable, students must complete at least one elective course at the 30000 level or higher.

Total 120 Credits Required

Biology, Health Sciences, BS

Provides students with a knowledge base in order to advance to the health science professional program of their choice.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
- or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 11100 - Ethics

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (63 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 24400 - Genetics
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- SOC 10000 - Introductory Sociology
- BIOL 21300 - Human Anatomy and Physiology I
- PHYS 22000 - General Physics
- BIOL 31600 - Basic Microbiology
- BIOL 21400 - Human Anatomy and Physiology II
- PHYS 22100 - General Physics
- BIOL 32020 - Biology of the Immune System
- CHM 33300 - Principles of Biochemistry
- FN 30300 - Essentials of Nutrition
- BIOL 42600 - Senior Capstone

Other Required Courses (27 Credits)

Health Sciences Electives (9 Credits)

Maximum 3 credits of Health Sciences related independent study/research/ internship can be used to fulfill the minimum 12 credit elective requirement. BIOL 34200 and BIOL 33000 cannot be used to fulfill this requirement. Choose 3:

- BIOL 32020 - Biology of the Immune System
- BIOL 41800 - Drugs and Disease
- BIOL 48800 - Biological Sciences Internship (Health Sciences Related) (EXL)
- BIOL 48900 - Biological Sciences Research (Health Sciences Related) (EXL)
- BIOL 49500 - Special Assignments (Health Sciences Related)
- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques
- BIOL 51601 - Food Microbiology
- BIOL 51605 - Environmental Microbiology
- BIOL 51801 - Biology Ethical Frontiers
- BIOL 52500 - Principles of Neurobiology
- BIOL 53300 - Medical Microbiology
- BIOL 54401 - Epigenetics
- BIOL 56100 - Immunology
- BIOL 56600 - Developmental Biology
- BIOL 59500 - Special Assignments (Health Sciences Related)
- Advanced Cell Biology
- Microbiota in Health & Disease
- Immune Disorder
- Biology of Cancer Cells
- Bioinformatics
- Cell and Tissue Culture
- Medical Genetics
- Virology

EXL Elective (1 Credit)

(no minimum credit requirement)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses ranges from 0 to 3 credits. ENGL 10500 can be used for this requirement. BIOL 34200 Biological Sciences Practicum (Health sciences related experience) is highly recommended. BIOL 48900 Biological Sciences Research and ENGL 41101 Introduction to Writing in the Health Sciences are also recommended. Any other E X L courses are acceptable.

Humanities/Social Sciences Electives (6 Credits)

Select (2) Humanities/Social Sciences Electives. Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional

electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (2) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended. The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Free Electives (11 Credits)

Any (4) courses from the PNW curriculum are acceptable, students must complete at least two elective courses at the 30000 level or higher.

Total 120 Credits Required

Biology, Microbiology and Immunology, BS

This program teaches students the essential techniques and knowledge necessary to contribute to advances in molecular genetics, bioinformatics, and biotechnology.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
- or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (49 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 31600 - Basic Microbiology
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- BIOL 24400 - Genetics
- PHYS 22000 - General Physics
- BIOL 32020 - Biology of the Immune System
- PHYS 22100 - General Physics
- CHM 33300 - Principles of Biochemistry
- BIOL 42600 - Senior Capstone

Other Required Courses (41 Credits)

Biology/Concentration Electives (15 Credits)

Select (5) Biology/Concentration Electives. Take minimum of 6 credits from Group A and the rest from either group, a minimum of 3 credits must be of any biology courses above 30000 level excluding BIOL 33000 and BIOL 34200. A maximum of 3 credits of microbiology or immunology related research/internship/readings can be used to fulfill the 15 credit elective requirement.

Group A:

- BIOL 51601 - Food Microbiology
- BIOL 51605 - Environmental Microbiology
- BIOL 53300 - Medical Microbiology

- BIOL 49500 - Special Assignments
or
- BIOL 59500 - Special Assignments (Microbiology or Immunology Related)
- Virology, Immune Disorders, Microbiota in Health and Disease, Advanced Immunology

Group B:

- BIOL 48800 - Biological Sciences Internship (Microbiology or Immunology)
- BIOL 48900 - Biological Sciences Research (Microbiology or Immunology)
- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques

- BIOL 49500 - Special Assignments
or
- BIOL 59500 - Special Assignments

- Bioinformatics
- Cell and Tissue Culture
- Experimental Design
- Independent Studies Related to Microbiology or Immunology

EXL Elective (1 Credit)

(no minimum credit requirement)

Two Experiential Learning (E X L) units are required for graduation. Experiential Learning courses ranges from 0 to 3 credits. BIOL 21000, BIOL 34200, BIOL 48800, BIOL 48900, SCI 49100, ENGL 10500, ENGL 41401, and IDIS 10001 can be used to fulfill this requirement. Any other E X L courses are acceptable.

Humanities/Social Sciences Electives (9 Credits)

Gen Ed requires a 3.0 credit Humanities and a 3.0 credit Social Science course. It is important that these be chosen from the approved Gen Ed course list. This degree also requires 9.0 credits of additional electives from these two subject areas that are not required to be chosen from the Gen Ed list. Some professional schools have specific Humanities and Social Sciences course requirements for admission. Please select (3) recommended courses accordingly to fulfill this requirement or choose any courses of interest. Humanities Elective: Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. (Six credit hours of foreign languages may also be used to fulfill the requirement.) Social Sciences Elective: CDFS 21000 and PSY 35000 are recommended.

The Department accepts Social Sciences Elective courses with the following subject code: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Free Electives (16 Credits)

Any courses from the PNW curriculum are acceptable, students must complete at least one elective course at the 30000 level or higher.

Total 120 Credits Required

Business Analytics, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics
- PHIL 32400 - Ethics for the Professions
- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (21 Credits)

- BIZA 32500 - Applied Business Statistics
- CIS 25300 - Applied Database Techniques
- ISM 32000 - Advanced Spreadsheet Applications for Business
- ISM 40800 - Data Mining
- BIZA 42000 - Decision Analytics
- ISM 48600 - Project Management
- BIZA 49000 - Senior Project

Other Required Courses (18 Credits)

Business Electives (9 Credits)

Any (3) College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Free Electives (9 Credits)

Any (3) course 10000 level or higher except for CHM 10000, GNS 29000, MA 11100, and MA 11500.

Total 120 Credits Required

*** Major Course - Choose any 1 course from

- ENTR 40000 - Small Business Consulting
- ENTR 40100 - Social Entrepreneurship
- ENTR 41000 - Advanced Small Business Consulting
- ENTR 49000

Chemistry, BSCH

The study of the structure and interactions of basic molecules that form all matter. Students learn about the basic molecules that form the earth, living creatures, and man-made products.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (4 Credits)

- CHM 11500 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (4 Credits)

- CHM 11600 - General Chemistry

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (56 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 26505 - Organic Chemistry 1
- CHM 26300 - Organic Chemistry Laboratory 1
- CHM 26605 - Organic Chemistry 2
- CHM 26400 - Organic Chemistry Laboratory 2
- CHM 29400 - Sophomore Chemistry Seminar
- CHM 32100 - Analytical Chemistry I
- CHM 33300 - Principles of Biochemistry

- CHM 34200 - Inorganic Chemistry
- CHM 34201 - Inorganic Chemistry Laboratory
- CHM 37300 - Physical Chemistry 1
- CHM 37400 - Physical Chemistry 2
- CHM 37600 - Physical Chemistry Laboratory
- CHM 42400 - Analytical Chemistry II
- CHM 49400 - Junior-Senior Chemistry Seminar
- CHM 49800 - Research in Chemistry (2) (e)
- SCI 22000 - Health and Safety
- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus

Other Required Courses (32 Credits)

Free Electives (32 Credits)

Select (11) free electives. At least 5 credit hours of Free Electives must be 30000 level or higher.

Total 120 Credits Required

Chemistry, Materials Science, BSCH

Teaches students how to discover and design new materials that will change engineering and technology significantly in the future.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (69 Credits)

- MA 16400 - Integrated Calculus Analysis Geometry II
- PHYS 15200 - Mechanics
- CHM 26505 - Organic Chemistry 1
- CHM 26300 - Organic Chemistry Laboratory 1
- MA 26100 - Multivariate Calculus
- PHYS 25100 - Heat, Electricity and Optics
- CHM 26605 - Organic Chemistry 2
- CHM 26400 - Organic Chemistry Laboratory 2
- CHM 29400 - Sophomore Chemistry Seminar
- SCI 22000 - Health and Safety
- MSE 20000 - Materials Science
- CHM 37300 - Physical Chemistry 1
- CHM 34200 - Inorganic Chemistry
- CHM 34201 - Inorganic Chemistry Laboratory
- MSE 34400 - Materials in Engineering
- CHM 33300 - Principles of Biochemistry
- CHM 37400 - Physical Chemistry 2
- CHM 37600 - Physical Chemistry Laboratory
- CHM 46000 - Catalysis

- CHM 32100 - Analytical Chemistry I
- CHM 35000 - Coatings and Resins
- CHM 49400 - Junior-Senior Chemistry Seminar
- CHM 42400 - Analytical Chemistry II
- CHM 46400 - Polymer Chemistry
- CHM 46401 - Polymer Chemistry Lab

Other Required Courses (19 Credits)

- CHM 49800 - Research in Chemistry €

Free Electives (16 Credits)

Select (6) free electives. At least 5 credit hours of Free Electives must be 30000 level or higher.

Total 120 Credits Required

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

Civil Engineering, BSCE

At Purdue University Northwest, civil engineering is a four-year program of full-time study leading to a degree of Bachelor of Science in Civil Engineering (BSCE). The course of study is preparation for a career in a constantly changing field and provides a basis for lifelong learning. The Civil Engineering curriculum provides a broad education in the fundamentals of Civil Engineering. Students may pursue a general program or may choose a specialization in areas such as construction engineering, structural engineering, transportation, water resources and environmental engineering. The BSCE degree is accredited by the Engineering Accreditation Commission of ABET.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 30700 - Written and Oral Communication for Engineers

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- PHYS 15200 - Mechanics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- ENGR 18600 - First Year Seminar for Engineers

Major Core (75 Credits)

- ENGR 19000 - Elementary Engineering Design
- CE 11500 - Engineering Drawing I
- CE 11600 - Engineering Drawing II
- CE 20100 - Surveying and GIS
- CE 27101 - Basic Mechanics I (Statics)
- CE 20400 - Civil Engineering Materials
- CE 27300 - Mechanics of Materials
- CE 27301 - Mechanics of Materials Laboratory
- CE 27500 - Basic Mechanics II (Dynamics)
- CE 33400 - Structural Analysis I
- CE 35100 - Introduction to Transportation Engineering
- CE 35400 - Introduction to Environmental Engineering
- CE 30800 - Construction Engineering Management
- CE 32300 - Soil Engineering

- CE 34200 - Engineering Hydrology and Hydraulics
- CE 31200 - Fluid Mechanics
- CE 42900 - Senior Engineering Design I
- CE 43900 - Senior Engineering Design II
- CE 47100 - Reinforced Concrete Design
- ME 30500 - General Thermodynamics I
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- PHYS 26100 - Electricity and Optics
- STAT 34500 - Statistics

Other Required Courses (15 Credits)

Civil Engineering Restricted Science Elective (3 Credits)

- BIOL 10100 - Introductory Biology
- SCI 10300 - Survey of the Biological World
- SCI 10400 - Introduction to Environmental Biology
- BIOL 22100 - Introduction to Microbiology
- BIOL 31600 - Basic Microbiology

Civil Engineering Electives (9 Credits)

Any three CE courses selected by student with approval of advisor

Any Humanities or Social Science Course (3 Credits)

Total 122 Credits Required

Communication, BA

The Communication degree offers students the opportunity to prepare for a wide range of careers where effective oral and written communication is essential. By combining a study of communication theory and research with an emphasis on performance, communication majors will see improvement in critical thinking, research, writing, team, interpersonal, and public speaking skills. Graduates of the program may find work in such diverse areas as organizational training and development, broadcasting and public relations. Internship opportunities are available to students that will allow them to network with professionals while continuing to build their communication skills.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Any Science Core course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- FN 30300 - Essentials of Nutrition
- or any Science, MA, STAT, or CIS course

First-Year Experience (3 Credits)

- COM 10300 - The Freshman Seminar in Communication

Supplemental Core (30 Credits)

- PSY 12000 - Elementary Psychology

Modern Language (12 Credits)

Credit in the fourth semester required.

History (3 Credits)

Economics (3 Credits)

- ECON 10100 - Survey of Economics

Literature (3 Credits)

Political Science (3 Credits)

- POL 10100 - American Government and Politics

Aesthetics (3 Credits)

Major Core (15 Credits)

- COM 20400 - Critical Perspectives on Communication
- COM 25000 - Mass Communication and Society
- COM 30000 - Introduction to Communication Research Methods
- COM 31800 - Principles of Persuasion
- COM 43500 - Communication and Emerging Technologies

Other Required Courses (45 Credits)

Communication Electives (21 Credits)

Choose courses with emphasis in an identified career path or concentration. Seven (7) electives in communication are required for major. At least four of those electives must be upper division (UD) at 30000 level or above. At least two of those UD courses must be COM EXL courses. Prerequisites may apply.

Free Electives (24 Credits)

Total 120 Credits Required

Students may choose to complete one concentration from the following areas: Advertising, Broadcasting, International Communication, Journalism, Media Studies, or Public Relations. (Use the separate degree map for the Visual Communication Design concentration.)

Communication, Visual Communication Design, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Any Science Core course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- FN 30300 - Essentials of Nutrition
- or any Science, MA, STAT, or CIS course

First-Year Experience (3 Credits)

- COM 10300 - The Freshman Seminar in Communication

Supplemental Core (24 Credits)

- PSY 12000 - Elementary Psychology

Modern Language (12 Credits)

Credit in the fourth semester required.

History (3 Credits)

Literature (3 Credits)

Aesthetics (3 Credits)

Major Core (57 Credits)

- AD 10500 - Design I
- AD 10600 - Design II
- COM 25000 - Mass Communication and Society
- AD 11300 - Basic Drawing
- COM 20400 - Critical Perspectives on Communication
- AD 22200 - Introduction to Photography
- AD 11200 - Graphic Arts I: Typography
- AD 20400 - Graphic Arts II: Digital
- AD 30102 - Color and Composition
- COM 30900 - Visual Communication

- AD 32800 - Visual Communication Design I
- CGT 21600 - Vector Imaging for Computer Graphics
- AD 32900 - Visual Communication Design II
- ECON 10100 - Survey of Economics
- POL 10100 - American Government and Politics
- AD 44800 - Visual Communication Design III
- CGT 35300 - Principles of Interactive and Dynamic Media
- AD 44900 - Visual Communication Design IV
- AD 40300 - Portfolio Process and Presentation

Other Required Courses (9 Credits)

Communication Electives (6 Credits)

Any upper division COM or AD courses (30000 or above) can be used toward the Communication Elective.

Free Elective (3 Credits)

Total 120 Credits Required

Computer Engineering, BSCMPE

This program provides a strong theoretical and practical background in both hardware and software, including their applications

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 30700 - Written and Oral Communication for Engineers

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (6 Credits)

- PHYS 15200 - Mechanics
- CHM 11500 - General Chemistry

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- ENGR 18600 - First Year Seminar for Engineers

Major Core (78 Credits)

- ENGR 19000 - Elementary Engineering Design
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- PHYS 26100 - Electricity and Optics
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- ECE 15200 - Programming for Engineers
- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- ECE 20200 - Linear Circuit Analysis II
- ECE 27001 - Introduction to Digital System Design
- ECE 25100 - Object Oriented Programming
- ECE 30100 - Signals and Systems
- ECE 30001 - Signs and Systems Lab

- CS 27500 - Data Structures
- ECE 31200 - Engineering Economics and Project Management
- ECE 36201 - Microprocessor System Design and Interfacing
- CS 30900 - Discrete Mathematical Structures
- ECE 30200 - Probabilistic Methods in Electrical and Computer Engineering
- ECE 37100 - Computer Organization and Design
- ECE 27500 - Analog and Digital Electronics
- ECE 42900 - Senior Engineering Design I
- ECE 44800 - Introduction to Communication Theory
- ECE 35400 - Software Engineering Design I
- ECE 43900 - Senior Engineering Design II

Other Required Courses (12 Credits)

Computer Electives (9 Credits)

3 courses required:

- ECE 31100 - Electric and Magnetic Fields
- ECE 37500 - Digital Integrated Circuits
- ECE 45100 - Industrial Automation
- ECE 45400 - Software Engineering Design II
- ECE 45900 - Advanced Digital System Design
- ECE 46400 - Computer Architecture and Organization
- ECE 46810 - Operating Systems
- ECE 47600 - Digital Signal Processing
- ECE 54400 - Digital Communications
- ECE 54700 - Introduction to Computer Communication Networks
- CS 31600 - Programming Languages
- CS 33200 - Algorithms
- CS 40400 - Distributed Systems
- CS 44200 - Database Systems
- Any ECE or CS 49500 and above with advisor approval.

Free Elective (3 Credits)

Total 122 Credits Required

Computer Graphics Technology, BS

The Computer Graphics Technology Bachelor of Science program is designed to prepare students for employment as graphics technologists. Students work in computer labs developing their graphics skills, techniques, concepts, and management ability

through individual and team-based projects. The courses in the curriculum develop skills and knowledge critical to all areas of the computer graphics technology specialization. They embrace the teaching of the following core behaviors:

Visualizing, Sketching, Geometric Modeling, Problem Solving, Animating, Applying Technology, Graphic Designing, Computer Programming, Illustrating, User Interface and User Experience Designing, Mobile and Web Application Developing, and Appreciating Profession.

Many of our graduates pursue careers as web designers, user interface designers, animation and game developers, graphics technicians, mobile application designers, and web developers once they have finished their degrees.

The Computer Graphics Technology Bachelor of Science program is accredited by the Association of Technology, Management, and Applied Engineering, <http://www.atmae.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
- MA 14800 - Algebra and Trigonometry for Technology II
- or
- MA 15300 - College Algebra
- MA 15400 - Algebra and Trigonometry II

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CGT 14100 - Internet Foundations Technologies and Development

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- CGT 10100 - Introduction to Computer Graphics Technology

Major Core (75 Credits)

- CGT 11100 - Designing for Visualization and Communication
- CGT 11600 - Geometric Modeling for Visualization and Communication
- CGT 11200 - Sketching for Visualization and Communication
- CGT 21500 - Computer Graphics Programming I
- CGT 21100 - Raster Imaging for Computer Graphics
- ECON 10100 - Survey of Economics
- PHYS 22000 - General Physics
- CGT 21600 - Vector Imaging for Computer Graphics
- CGT 24100 - Introduction to Computer Animation
- CGT 25600 - Principles of User Experience Design
- OLS 25200 - Human Relations in Organizations
- CGT 33000 - Multimedia, Animation and Video Game Design and Development
- CGT 34000 - Digital Lighting and Rendering for Computer Animation
- CGT 35100 - Interactive Multimedia Design
- CGT 35300 - Principles of Interactive and Dynamic Media
- OLS 35000 - Creativity in Business and Industry
- CGT 30700 - Advanced Graphic Design for Web and Multimedia
- CGT 34100 - Motion for Computer Animation
- CGT 34600 - Digital Video and Audio
- CGT 45100 - Multimedia Application Development
- CGT 35600 - Web Programming, Development and Data Integration
- CGT 41501 - Contemporary Problems in Applied Computer Graphics
- CGT 44200 - Production for Computer Animation
- CGT 41600 - Senior Design Project

- CGT 44600 - Post-Production and Special Effects for Computer Animation
or
- CGT 45600 - Advanced Web Programming, Development and Data Integration

Other Required Courses (15 Credits)

Programming Course or Technology Elective (3 Credits)

Any course that emphasizes C++ or Java

OLS Electives (6 Credits)

Choose (2) OLS electives.

Technical Elective (3 Credits)

Any course in CGT, Technology, or AD (requires approval by CGT advisor)

Internship or CGT Elective (3 Credits)

- CGT 30800 - Prepress Production and Design
- CGT 30900 - Internship in Computer Graphics Technology
- CGT 31000 - Drawing, Acting and Scripts for Animation
- any CGT graduate course
- 30000 to 40000 level AD course in Sketching or Photography
- or advanced course in visual programming, modeling, and / or simulation may be taken as CGT electives

Total 120 Credits Required

Computer Information Technology, BS

The Computer Information Technology Bachelor of Science Program is based on curriculum standards of the Association for Computing Machinery/Institute of Electrical and Electronics Engineers - Computer Society (ACM/IEEE-CS) Information Technology Curriculum Guidelines that meets the requirements of Purdue University Northwest's instructional guidelines.

The curriculum has the student experience each individual topic in their first two years. The core is made up of general education courses and specific Information Technology requirements of the Guidelines. The core courses span knowledge areas that include computational thinking/problem solving, application development, database design and implementation, project management, human computer interaction, information assurance and security, networking technologies, platform technologies, and operating systems.

Many of our graduates pursue careers as software developers, web developers, mobile app developers, database analysts and developers, computer security specialists, network and system administrators, information technology architects, and project managers once they have finished their degrees.

The Computer Information Technology Bachelor of Science program is accredited by the Computing Accreditation Commission (CAC) of ABET, <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession. The program is hosted in a National Center of Academic Excellence in Cyber Defense Education designed by the U.S. Department of Homeland Security and National Security Agency with a special focus on Network Security Administration. The designation symbolizes that the program curriculum meets the national standard of cyber defense education.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
or
- MA 15300 - College Algebra
- MA 20500 - Discrete Mathematics for Computer Technology

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ITS 11000 - Web Systems Technology

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- ITS 10000 - Information Technology Fundamentals

Major Core (75 Credits)

- ITS 13500 - Operating Systems Technologies
- ITS 14000 - Introduction to Computer Algorithms and Logic
- ITS 17000 - Networking Technologies
- ITS 24000 - Programming Fundamentals
- ITS 24500 - Integrative Programming
- ITS 26000 - Applied Database Technologies
- ITS 27000 - Internetworking Technologies
- STAT 30100 - Elementary Statistical Methods
- ITS 25000 - Fundamentals of Information Assurance
- ITS 33000 - Advanced Operating Systems
- ITS 34000 - Advanced Programming
- ITS 35000 - Systems Assurance
- ITS 35200 - Disaster Recovery and Planning
- ITS 36000 - Distributed Application Architecture and Design
- ENGL 22000 - Technical Report Writing
- ITS 36200 - Distributed Application Development
- ITS 36400 - Database Modeling and Implementation
- ITS 37200 - System Administration and Management
- ITS 45000 - Software Assurance
- ITS 45200 - Computer Forensics
- ITS 46200 - Application Integration
- ITS 44000 - Mobile Application Development
- ITS 45400 - Assured Systems Design and Implementation
- ITS 47200 - Network Design and Implementation
- ITS 49000 - Senior Project Undergraduate Research

Other Required Courses (15 Credits)

Restricted Electives (15 Credits)

(5) from the list of courses provided below:

- COM 41500 - Discussion of Technical Problems
or
- PHIL 32400 - Ethics for the Professions
or
- OBHR 33000 - Introduction to Organizational Behavior

- ECET 10900 - Digital Fundamentals
- ECON 21000 - Principles of Economics
- IET 10400 - Industrial Organization

- IET 35200 - Operations Management

- or
- BUSM 36000 - Production and Operations Management (has a prerequisite of BUSM 22500)
- IET 45100 - Monetary Analysis for Industrial Decisions
- or
- BUSM 22500 - Fundamental Managerial Statistics
- MA 22300 - Introductory Analysis I
- or
- MA 15910 - Introduction to Calculus
- or
- MA 16019 - Applied Calculus I for Technology
- any higher level MA course
- ACC 20000 - Introductory Accounting
- or
- MGMT 20000 - Introductory Accounting
- OLS 25200 - Human Relations in Organizations
- or
- OBHR 33000 - Introduction to Organizational Behavior
- OLS 37600 - Human Resource Issues
- or
- OBHR 44500 - Team Dynamics (OBHR 33000 is a prerequisite)
- ITS 30000 level or higher not already required in the plan of study.
- ITS 40000 level or higher not already required in the plan of study.
- An approved minor may be substituted for restricted electives.

Total 120 Credits Required

Computer Science, BS

The program teaches students to expand the frontiers of computer science by applying computational principles to technical and societal problems. This includes developing new software, managing information databases and creating graphical solutions to help engineers and scientists visualize the physical and biological world.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (3 Credits)

Any Gen Ed Natural Science with Lab

Technology (3 Credits)

- CS 12300 - Programming I: Java

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (3 Credits)

Any Gen Ed Course

First-Year Experience (FYE) (3 Credits)

- CS 10000 - An Introduction to Computer Science

Major Core (54 Credits)

- CS 12400 - Programming II: C++
- MA 16400 - Integrated Calculus Analysis Geometry II
- CS 22300 - Computer Architecture and Assembly Language
- CS 27500 - Data Structures
- MA 26100 - Multivariate Calculus

- CS 30200 - Operating Systems
- CS 30900 - Discrete Mathematical Structures
- MA 26500 - Linear Algebra
- CS 31600 - Programming Languages
- CS 33200 - Algorithms
- CS 41600 - Software Engineering
- CS 45500 - Interactive Computer Graphics
- STAT 34500 - Statistics
- CS 42000 - Senior Design Project
- CS 44200 - Database Systems
- CS 40400 - Distributed Systems
- CS 41000 - Automata and Computability

Other Required Courses (34 Credits)

Electives (24 Credits)

Any MA, STAT or CS course elective must be MA 26400 or CS 20600 or a MA, STAT, or CS course at the 30000-level or above.

Science with Lab (3-4 Credits)

Natural Science Elective (3-4 Credits)

Experiential Learning Elective (2-4 Credits)

Total 120 Credits Required

Construction Engineering and Management Technology, BS

This major industry includes a variety of large general construction firms, small specialized contractors, materials suppliers, equipment manufacturers, and the design services of architects and engineers.

Each year architectural, construction, consulting engineering, industrial, laboratory testing, materials supplier, and surveying firms contact Purdue Northwest seeking baccalaureate degree graduates for work in the Chicagoland Region and in other parts of the country. This trend should continue since there are statistics that the present enrollment of technicians and technologists will not meet the needs of this country for many years.

Many of our graduates pursue careers as estimators, field superintendents, construction schedulers, expeditors, project managers, survey crew chiefs, materials technicians, architectural and civil draftspersons, and cost engineers once they have finished their degrees.

The Construction Engineering & Management Technology Bachelor of Science program is accredited by the Engineering Technology Accreditation Commission of ABET, <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
- MA 14800 - Algebra and Trigonometry for Technology II
or
- MA 15300 - College Algebra
- MA 15400 - Algebra and Trigonometry II

Natural Sciences (4 Credits)

- PHYS 22000 - General Physics

Technology (3 Credits)

- COM 25000 - Mass Communication and Society
or
- COM 26100 - Introduction to Digital Video Production

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- CEMENT 10300 - Introduction to Construction Management

Major Core (89 Credits)

- CEMENT 17000 - Materials and Systems of Construction
- CEMENT 16001 - Statics
- CEMENT 11200 - Survey Fundamentals Credit Hours: 3.00
- CEMENT 11700 - Construction Graphics
- CEMENT 26001 - Strength of Materials
- CEMENT 25300 - Hydraulics and Drainage
- CEMENT 27600 - Construction Specifications and Contracts
- CEMENT 23000 - Mechanical and Electrical Systems Credit Hours: 3.00
- CEMENT 26600 - Materials Testing
- CEMENT 28100 - Structural Calculations
- CEMENT 20900 - Land Surveying and Subdivision
- CEMENT 22200 - Architectural Construction
- CEMENT 32500 - Structural Applications
- CEMENT 33100 - Properties and Behavior of Soils
- CEMENT 34101 - Construction Operations
- CEMENT 38000 - Concrete Construction Credit Hours: 3.00
- CEMENT 34400 - Construction Inspection
- CEMENT 34201 - Construction Costs and Bidding
- CEMENT 45000 - Construction Scheduling
- CEMENT 48900 - Senior Project Survey
- CEMENT 30600 - Construction and Route Surveying
- CEMENT 44500 - Construction Management I
- CEMENT 49000 - Senior Project
- CEMENT 30900 - Principles of Highway Construction

- CEMENT 34000 - Fundamentals of Construction Safety Credit Hours: 3.00
or
- OLS 33100 - Occupational Safety and Health

- ACC 20000 - Introductory Accounting
or
- ECON 21000 - Principles of Economics

- MA 16019 - Applied Calculus I for Technology

- CEMENT 49400 - Engineering Economics for Construction
or
- IET 30800 - Engineering Project Management and Economic Analysis

- STAT 30100 - Elementary Statistical Methods
- Lab Science Elective Credit Hours: 3.00

Total 120 Credits Required

Early Childhood Education, Reading, BS

Purdue University Northwest offers a degree in Early Childhood Education which prepares candidates for the Indiana initial teaching license, Early Childhood Generalist, Prek- Grade 3. Through course work, field experiences, practicum and student teaching, candidates gain knowledge, acquire skills and develop dispositions to effectively integrate theory with practice, as outlined in the National Association for the Education of Young Children Professional Preparation Standards. Graduates of the program are highly qualified early childhood professionals committed to supporting families and providing all children with developmentally appropriate learning environments and instruction. Formal admission to the program is required, including passage of the basic skills assessment in math, reading and writing (CASA).

Degree Requirements

PNW General Education Core (31 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 13700 - Mathematics for Elementary Teachers I

Natural Sciences (4 Credits)

- BIOL 14300 - Current Topics in Modern Biology

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Humanities (3 Credits)

- ENGL 20100 - The Nature of Literary Study
- ENGL 23100 - Introduction to Literature
- ENGL 23800 - Introduction to Fiction
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 13800 - Mathematics for Elementary Teachers II

First-Year Experience (3 Credits)

- EDST 27000 - Early Childhood Education

Major Core (89 Credits)

- CHM 21400 - Chemistry for Elementary Education
- HIST 15100 - American History to 1877
or
- HIST 15200 - United States Since 1877
- HIST 10200 - Introduction to the Ancient World
or
- HIST 10300 - Introduction to the Medieval World
or
- HIST 10400 - Introduction to the Modern World
or
- HIST 10500 - Survey of Global History
- EDCI 27600 - Child, Family, School and Community Partnerships
- EDPS 23600 - Developmental Theory and Practice in Early Childhood Education
- EDPS 27600 - Young Children with Exceptional Needs
- EDCI 31100 - Media for Children
- MA 13900 - Mathematics for Elementary Teachers III
- PHYS 21300 - Physics for Elementary Education
- ENGL 22700 - Elements of Linguistics
- PSY 23500 - Child Psychology

- EDPS 27500 - Observation, Assessment and Documentation
- EDCI 36201 - Literacy Instruction in K-3 Classrooms
- EDCI 32200 - English for New Language Learners
- EAS 13000 - Introductory Earth Science for Elementary Education
or
- EAS 39100 - Topics in Earth and Atmospheric Sciences
or
- BIOL 32400 - Natural History of the Smoky Mountains
or
- BIOL 32500 - Natural History of North West Indiana
- EDPS 27700 - Nurturing and Guiding the Young Child
- EDCI 31000 - Literacy and the Young Child
- EDCI 37100 - Integrated Curriculum in Early Childhood: Creative and Affective Domains
- EDCI 37200 - Integrated Curriculum in Early Childhood: Cognitive Domains
- HK 27200 - Health, Safety and Nutrition for Young Children
- EDCI 47000 - Practicum and Seminar in Early Childhood Programs
- EDCI 36300 - Literacy in the Elementary School II
- EDCI 37400 - Science and Math in Kindergarten and Primary Grades
- EDCI 49600 - Student Teaching in the Elementary School

Total 120 Credits Required

Electrical Engineering Technology, BS

The program of Electrical Engineering Technology offers courses that emphasize practical aspects of engineering along with abstract concepts and theories. The courses are a blend of the application of engineering knowledge, scientific principles and technical skills used in modern industrial infrastructure. The Electrical Engineering Technology program at Purdue University Northwest is designed to inculcate students with an aptitude of applying their knowledge with scientific and objective reasoning. The mission of the Electrical Engineering Technology program is to provide career educational opportunities to students who have a hands-on aptitude and are oriented towards applications. The program offers academic preparation for careers in embedded computer systems, electrical power and renewable energy, electronics, control, and telecommunications. The curriculum provides a strong background in technical subjects integrating theory with extensive hands-on laboratory training, mathematics, science, and rounding off with courses in humanities and general education. Students will complete a Senior Design Project, which is a one-year capstone individual/team project that provides the opportunity to pursue an idea from conception to design, then execute into a demonstrable project. The program's goal is to produce graduates who are equipped with marketable skills and potential for growth to meet the technical manpower needs of the society.

The Electrical Engineering Technology Bachelor of Science program is accredited by the Engineering Technology Accreditation Commission of ABET, Inc. <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Options in EET:

1. Power and Modern Energy Systems
2. Integrated Smart Electronic Systems

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 14700 - Algebra and Trigonometry for Technology

Natural Sciences (4 Credits)

- PHYS 22000 - General Physics

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Select a course from any Core list except FYE

First-Year Experience (FYE) (3 Credits)

- ECET 10001 - Introduction to Electrical and Computer Engineering Technology

Major Core (89 Credits)

- ECET 10900 - Digital Fundamentals
- ECET 10201 - Direct Current Circuits and Components
- ECET 15900 - Digital Applications
- ECET 21000 - Structured C++ Programming for Electromechanical Systems
- MA 14800 - Algebra and Trigonometry for Technology II
- ECET 15201 - Alternating Current Circuits and Analysis
- ECET 15401 - Electronic Components and Circuits
- ECET 20901 - Microcontroller Applications
- ECET 21201 - Electrical Power and Motors
- MA 16019 - Applied Calculus I for Technology
- MA 16021 - Applied Calculus II and Differential Equations
- ECET 45600 - Operating System with Embedded System Design
- ECET 38400 - Advanced Mathematical Methods in EET
- ECET 30301 - Telecommunication Systems
- ECET 33100 - Generation and Transmission of Electrical Power
- ECET 37300 - Renewable Energy Sources and Modeling Credit Hours: 3.00
- ECET 39200 - Digital Signal Processing
- ECET 26200 - Programmable Logic Controllers
- ECET 31201 - Power Electronics Fundamentals
- IET 30800 - Engineering Project Management and Economic Analysis
- ECET 40400 - Wireless Communication and Networking
- ECET 36200 - Process Control Instrumentation
- ECET 45500 - Object Oriented System Design
- ECET 49000 - Senior Design Project Phase I
- ECET 49100 - Senior Design Project Phase II
- Independent Study/Internship/Wellness Credit Hours: 1.00
- 400 Level ECET Electives (2) Credit Hours: 6.00
- Humanities Elective Credit Hours: 3.00
- Social Science Elective Credits Hours: 3.00
- Science or Math Elective Credit Hours: 3.00

Total 120 Credits Required

Effective Fall 2016, newly admitted students or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science with a major in Electrical Engineering Technology". Formerly, this degree option was known as "Bachelor of Science with a major in Engineering Technology, and a concentration in Electrical & Computer Engineering Technology" at the North Central campus.

Electrical Engineering, BSEE

This is a creative profession where electrical engineers develop systems that control, monitor, and energize industrial equipment, household products, and transportation systems resulting in virtually every product found in the home and industry today.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 30700 - Written and Oral Communication for Engineers

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- PHYS 15200 - Mechanics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- ENGR 18600 - First Year Seminar for Engineers

Major Core (70 Credits)

- ENGR 19000 - Elementary Engineering Design
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- PHYS 26100 - Electricity and Optics
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- ECE 15200 - Programming for Engineers
- MA 26400 - Differential Equations
- ECE 20200 - Linear Circuit Analysis II
- ECE 27001 - Introduction to Digital System Design
- ECE 27500 - Analog and Digital Electronics
- ECE 30100 - Signals and Systems
- ECE 30001 - Signs and Systems Lab
- ECE 31200 - Engineering Economics and Project Management
- ECE 36201 - Microprocessor System Design and Interfacing
- MA 26500 - Linear Algebra
- ECE 30200 - Probabilistic Methods in Electrical and Computer Engineering
- ECE 38400 - Linear Control Systems
- ECE 31100 - Electric and Magnetic Fields
- ECE 42900 - Senior Engineering Design I
- ECE 44800 - Introduction to Communication Theory
- ECE 43900 - Senior Engineering Design II

Other Required Courses (18 Credits)

Engineering Elective (3 Credits)

- ME 27100 - Basic Mechanics I (Statics)
or
- ME 30500 - General Thermodynamics I
or
- MSE 20000 - Materials Science

Electric and Computer Engineering Elective (9 Credits)

3 courses required:

- ECE 25100 - Object Oriented Programming
- ECE 35400 - Software Engineering Design I
- ECE 37100 - Computer Organization and Design

- ECE 37500 - Digital Integrated Circuits
- ECE 38000 - Computers in Engineering Analysis
- ECE 42600 - Electric Drives
- ECE 43200 - Elements of Power System Engineering
- ECE 45100 - Industrial Automation
- ECE 45400 - Software Engineering Design II
- ECE 45900 - Advanced Digital System Design
- ECE 46400 - Computer Architecture and Organization
- ECE 46810 - Operating Systems
- ECE 47600 - Digital Signal Processing
- ECE 48300 - Digital Control Systems Analysis and Design
- and any ECE 49500 and above with advisor approval.

Technical Elective (3 Credits)

- CHM 11600 - General Chemistry
- CS 27500 - Data Structures
- CS 30900 - Discrete Mathematical Structures
- CS 33200 - Algorithms
- CS 44200 - Database Systems
- MA 31500 - Introduction to Abstract Mathematics
- MA 34500 - Coding and Information Theory
- MA 34800 - Discrete Mathematics
- MA 47200 - Introduction to Applied Mathematics
- PHYS 31100 - Quantum Physics I
- PHYS 32200 - Intermediate Optics
- PHYS 34200 - Modern Physics
- STAT 34500 - Statistics
- BUSM 33300 - Total Quality Management
- BUSM 36300 - Total Quality Techniques
- FIN 31000 - Financial Management
- MKG 32400 - Marketing Management
- any CE, ECE, ME, or MSE course 20000 or above and less than 48900 except CE 20100 (The Industrial Practice courses are not allowed); any CE, ECE, ME, MSE, or Computer Science course 48900 & above with advisor approval.

Free Elective (3 Credits)

Total 120 Credits Required

Elementary Education, Reading, BA

You can earn a Bachelor of Arts degree in Elementary Education at Purdue University Northwest. A student must meet Gate requirements in order to proceed with their education degree. One requirement of the Gate System is the successful completion of

the CASA tests. The degree meets licensing requirements of the Indiana Professional Standards Board and the Purdue University School of Education. It includes a 16-week student teaching requirement, completed at an area elementary school.

Degree Requirements

PNW General Education Core (31 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 13700 - Mathematics for Elementary Teachers I

Natural Sciences (4 Credits)

- BIOL 14300 - Current Topics in Modern Biology

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Humanities (3 Credits)

- ENGL 20100 - The Nature of Literary Study
- ENGL 23100 - Introduction to Literature
- ENGL 23800 - Introduction to Fiction
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology
or

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- MA 13800 - Mathematics for Elementary Teachers II

First-Year Experience (3 Credits)

- EDST 20000 - History and Philosophy of Education

Major Core (89 Credits)

- AD 23800 - Integrated Fine Arts
- CHM 21400 - Chemistry for Elementary Education
or
- CHM 10300 - Chemistry & Society
or
- CHM 11100 - General Chemistry
- EAS 13000 - Introductory Earth Science for Elementary Education
- EAS 39100 - Topics in Earth and Atmospheric Sciences
or
- BIOL 32400 - Natural History of the Smoky Mountains
or
- BIOL 32500 - Natural History of North West Indiana
- EDCI 20500 - Exploring Teaching as a Career
- EDCI 28500 - Multiculturalism and Education
- EDCI 31000 - Literacy and the Young Child
- EDCI 32200 - English for New Language Learners
- EDCI 36100 - Social Studies in the Elementary School
- EDCI 36201 - Literacy Instruction in K-3 Classrooms
- EDCI 36202 - Literacy Instruction in 4-6 Classrooms
- EDCI 36300 - Literacy in the Elementary School II
- EDCI 36400 - Mathematics in the Elementary School
- EDCI 36500 - Science in the Elementary School
- EDCI 46500 - Assessment in the Elementary School
- EDCI 49600 - Student Teaching in the Elementary School
- EDPS 23500 - Learning and Motivation
- EDPS 26500 - The Inclusive Classroom
- EDPS 43000 - Creating and Managing Learning Environments
- ENGL 22700 - Elements of Linguistics
- HIST 10200 - Introduction to the Ancient World

- or
- HIST 10300 - Introduction to the Medieval World
- or
- HIST 10400 - Introduction to the Modern World
- or
- HIST 10500 - Survey of Global History

- HIST 15100 - American History to 1877
- or
- HIST 15200 - United States Since 1877

- HK 32400 - Health, Wellness, and Physical Education
- MA 13900 - Mathematics for Elementary Teachers III
- PHYS 21300 - Physics for Elementary Education

- PSY 23500 - Child Psychology
- or
- SOC 22000 - Social Problems

Total 120 Credits Required

Elementary Education, Special Needs, BA

Degree Requirements

PNW General Education Core (31 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 13700 - Mathematics for Elementary Teachers I

Natural Sciences (3 Credits)

- SCI 31500 - Environmental Science for Elementary Education

Technology (3 Credits)

- EDCI 32300 - Educational Technology for Teaching and Learning

Social Sciences (3 Credits)

- EDPS 22000 - Psychology of Learning

Humanities (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy

Additional Credits (6 Credits)

- MA 13800 - Mathematics for Elementary Teachers II
- MA 13900 - Mathematics for Elementary Teachers III

First-Year Experience (1 Credit)

- EDPS 49100 - Topics and Issues in Education

Major Core (66 Credits)

- EDFA 20000 - History and Philosophy of Education
- EDPS 26000 - Introduction to Special Education
- POL 10100 - American Government and Politics
- EDCI 35500 - Teaching and Learning K-12 Classroom
- EDCI 31100 - Media for Children
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 45000 - Teaching Students with Disabilities
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- EDCI 32100 - Literacy and the Young Child
- EDCI 30400 - Literacy and Middle Childhood
- EDCI 31600 - Teaching Social Studies in the Elementary School
- EDCI 30001 - Lifelong Health and Wellness for Teachers and Children
- EDPS 43000 - Creating and Managing Learning Environments

- EDCI 31500 - Teaching Mathematics in the Elementary School
- EDCI 31700 - Teaching Science in the Elementary School
- EDPS 38000 - Special Education Law for Teachers
- EDCI 49700 - Supervised Teaching
- EDCI 49900 - Supervised Teaching or Practicum in an Endorsement Area

Other Required Courses (30 Credits)

Science Courses (9 Credits)

May be taken in any order.

- SCI 11200 - Introduction to the Physical Sciences I
- SCI 11300 - Introduction to the Physical Sciences II
- SCI 11400 - Introduction to Life Science is only offered during fall and Maymester.

History Courses (9 Credits)

May be taken in any order.

- HIST 10400 - Introduction to the Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Foreign Language (3 Credits)

3rd semester foreign language only unless ASL (American Sign Language). Required to complete up through level 3 (20100).

Art or Music Activities for the Classroom (4 Credits)

- AD 20300 - Art Activities for Elementary Teachers
- MUS 20300 - Music for Elementary Teachers

Free Electives (5 Credits)

Total 127 Credits Required

Emergency Medical Services, AS

This associate degree program prepares students for careers in paramedicine. The program has two components and requires at least 3 years for completion. The academic phase of the program occurs on the Purdue University Northwest - Hammond campus and includes course work in the basic sciences and general studies. The clinical professional phase of the program is offered at an affiliated hospital (St. Anthony Medical Center, Crown Point, St. Mary's Medical Center, Hobart or Methodist Hospitals, Inc., Gary, Indiana) approved to offer the paramedic curriculum. Note: Emergency Medical Technician (EMT) training and certification must be completed prior to applying for the clinical phase

Degree Requirements

- BIOL 21300 - Human Anatomy and Physiology I
- BIOL 21400 - Human Anatomy and Physiology II
- COM 11400 - Fundamentals of Speech Communication
- CHM 11900 - General Chemistry
- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II
- MA 14700 - Algebra and Trigonometry for Technology
- PSY 12000 - Elementary Psychology

Psychology Electives (6 Credits)

Select (2) Psychology electives. The following courses are recommended:

- PSY 35000 - Abnormal Psychology
- PSY 35500 - Child Abuse and Neglect
- PSY 36100 - Human Development I: Infancy and Childhood
- PSY 42800 - Drugs and Behavior
- PSY 44300 - Aggression and Violence
- PSY 53200 - Psychological Disorders of Childhood
- PSY 53500 - Psychology of Death and Dying

Clinicals (28 Credits)

Total 60 Credits Required

English, English Literature, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

Select from the Quantitative Reasoning Core list

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- ANTH 10500 - Cultural Anthropology

Additional Credits (3 Credits)

- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- PHIL 10700 - Freshman Experience -English & Philosophy

Supplemental Core (27 Credits)

Foreign Language (12 Credits)

Credit in the fourth semester required.

History (3 Credits)

Philosophy (3 Credits)

Aesthetics (3 Credits)

Political Science (3 Credits)

Economics (3 Credits)

Additional Math or Science (3 Credits)

Major Core (60 Credits)

Literature Requirement (33 Credits)

Pre/Co-requisite ENGL 10000 or ENGL 10400 or ENGL 10800 and/or ENGL 20100. Must take 12 courses:

- ENGL 20100 - The Nature of Literary Study (recommended to be taken before any literature courses)
- Choose any 30000 or above literature course

Survey Courses

Survey courses should be taken in Freshmen/Sophomore years. Choose one from each category:

- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period (m)
or
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period (m)
- ENGL 26000 - Introduction to World Literature: to 1700
or
- ENGL 26100 - Introduction to World Literature: Since 1700
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865

or

- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period

Author Studies

Choose one:

- ENGL 41100 - Studies in Major Authors (may also be taken to satisfy the JR/SR seminar if the course features a different author.)
- ENGL 44100 - Chaucer's Canterbury Tales
- ENGL 44200 - Shakespeare
- ENGL 44400 - Milton

Theory

Should be taken in Senior year.

- ENGL 40300 - Literary Theory
- or
- ENGL 46900 - Issues in Contemporary Criticism and Theory

Choose One Junior/Senior Seminar From:

Should be taken in Junior/Senior years.

- ENGL 41100 - Studies in Major Authors
- ENGL 41200 - Studies in Genre
- ENGL 41300 - Studies in Literature and History
- ENGL 41400 - Studies in Literature and Culture

Choose One Genre Course

- ENGL 23800 - Introduction to Fiction
- ENGL 26400 - The Bible as Literature
- ENGL 28600 - The Movies
- ENGL 31000 - Introduction to Popular Culture
- ENGL 31300 - African American Women's Fiction
- ENGL 31800 - Graphic Narrative
- ENGL 32000 - By and About Women
- ENGL 32500 - International Short Story
- ENGL 35600 - American Humor
- ENGL 37300 - Science Fiction and Fantasy
- ENGL 37500 - British Drama to 1800, Exclusive of Shakespeare
- ENGL 37700 - Major Modern Poetry
- ENGL 37900 - The Short Story

- ENGL 38100 - The British Novel
- ENGL 38200 - The American Novel
- ENGL 38300 - Modern Drama: Ibsen to the Absurdist
- ENGL 41200 - Studies in Genre
- ENGL 47900 - The Short Story
- ENGL 49200 - Literature in the Secondary Schools
- THTR 34800 - Dramatic Performance in Context

Choose One Historical Course

- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period
- ENGL 25700 - Literature of Black America
- ENGL 26000 - Introduction to World Literature: to 1700
- ENGL 26100 - Introduction to World Literature: Since 1700
- ENGL 26200 - Greek and Roman Classics in Translation
- ENGL 26600 - World Literature: From the Beginnings to 1700 A.D.
- ENGL 26700 - World Literature: From 1700 A.D. to the Present
- ENGL 31100 - Identity in Ethnic American Women's Literature
- ENGL 32700 - English Language I: History and Development
- ENGL 33100 - Medieval English Literature
- ENGL 33300 - Renaissance English Literature
- ENGL 33500 - Restoration and Eighteenth-Century English Literature
- ENGL 33700 - Nineteenth-Century English Literature
- ENGL 33900 - Twentieth-Century British Literature
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period
- ENGL 35500 - African American Literature Slavery to 1940
- ENGL 36600 - Postcolonial Literatures
- ENGL 37000 - Nineteenth-Century American Literature
- ENGL 37100 - Twentieth-Century American Literature
- ENGL 37500 - British Drama to 1800, Exclusive of Shakespeare
- ENGL 37700 - Major Modern Poetry
- ENGL 38100 - The British Novel
- ENGL 38200 - The American Novel
- ENGL 38300 - Modern Drama: Ibsen to the Absurdist
- ENGL 38600 - History of Film to 1938
- ENGL 38700 - History of the Film From 1938 to the Present
- ENGL 41300 - Studies in Literature and History
- ENGL 46200 - The Bible as Literature: The Old Testament
- ENGL 46300 - The Bible as Literature: The New Testament
- ENGL 46800 - Problems in the History of Criticism

Choose One Culture Course

- ENGL 25700 - Literature of Black America

- ENGL 28600 - The Movies
- ENGL 31000 - Introduction to Popular Culture
- ENGL 31100 - Identity in Ethnic American Women's Literature
- ENGL 31200 - Ethnic American Women Writers
- ENGL 31800 - Graphic Narrative
- ENGL 32000 - By and About Women
- ENGL 32300 - Sexual Identity in Literature
- ENGL 32400 - International Women's Literature
- ENGL 33600 - Mothers and Daughters in Literature
- ENGL 34000 - Literature By Women of Color
- ENGL 35500 - African American Literature Slavery to 1940
- ENGL 36300 - African American Literature Slavery 1940 to Present
- ENGL 36000 - Gender and Literature
- ENGL 36600 - Postcolonial Literatures
- ENGL 37300 - Science Fiction and Fantasy
- ENGL 41400 - Studies in Literature and Culture
- ENGL 46900 - Issues in Contemporary Criticism and Theory

Choose One Writing Course

- ENGL 30200 - Publications Design
- ENGL 30600 - Introduction to Professional Writing
- ENGL 30900 - Computer-Aided Publishing
- ENGL 31900 - Creative Writing
- ENGL 40000 - Creative Non-Fiction Writing
- ENGL 40600 - Review Writing
- ENGL 40900 - Introduction to Fiction Writing
- ENGL 41000 - Introduction to Creative Nonfiction Writing
- ENGL 41101 - Introduction to Writing in the Health Sciences
- ENGL 41800 - Short Fiction Writing
- ENGL 41900 - Multimedia Writing
- ENGL 42000 - Business Writing
- ENGL 42001 - Careers in English
- ENGL 42100 - Technical Writing
- ENGL 42501 - Writing or New Media
- ENGL 42601 - Writing for Social Media
- ENGL 43000 - Professional Copy Editing
- ENGL 43500 - Topics in Writing for Interactive Digital Media
- ENGL 43600 - Writing for Informational Interactive Media
- ENGL 43700 - Writing for Video Games
- ENGL 45100 - Feature Writing
- ENGL 47000 - Theories of Rhetoric and Composition

Free Electives (27 Credits)

Electives may come from the courses below:

Modern Language (12 Credits)

ASL, French, German, or Spanish at the fourth level

Western Heritage (3 Credits)

Choose one:

- ENGL 26400 - The Bible as Literature
- HIST 10200 - Introduction to the Ancient World
- HIST 10300 - Introduction to the Medieval World
- HIST 10400 - Introduction to the Modern World
- HIST 29000 - Russia: Yesterday, Today, and Tomorrow
- HIST 40300 - Europe in the Reformation
- HIST 40400 - Kings and Philosophers: Europe 1618-1789
- HIST 40500 - The French Revolution and Napoleon
- HIST 40600 - Rebels and Romantics: Europe 1815-1870
- NUR 22200 - Foundations of Holistic Health and Wellness
- PHIL 11000 - Introduction to Philosophy
- PHIL 30100 - History of Ancient Philosophy
- PHIL 30200 - History of Medieval Philosophy
- PHIL 33100
- POL 35000 - Foundations of Western Political Theory: from the Renaissance to Marx
- POL 35300 - Current Political Ideologies

United States Traditions (3 Credits)

Choose one:

- ENGL 25000 - Great American Books
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period
- ENGL 38200 - The American Novel
- GBG 12700 - Development of Business in the United States
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877
- HIST 31005 - The Civil War and Reconstruction, 1850 to 1877
- HIST 35001 - Gettysburg: Three Days That Changed America
- HIST 36700 - 20th Century American History
- HIST 36800 - Episodes in American Religious History
- HIST 37800 - Early National America: 1787-1850
- HIST 38600 - History of American Foreign Relations
- HIST 46000 - American Colonial History
- HIST 46400 - Jacksonian America 1815-1850
- HIST 46700 - The Emergence of Modern America
- HIST 46800 - Recent American History
- NUR 22200 - Foundations of Holistic Health and Wellness

- NUR 34900 - Contemporary Trends in Health Care Systems
- POL 10100 - American Government and Politics
- POL 23300 - Introduction to the Study of Law

Social Ethics (3 Credits)

Choose one:

- ENGL 21600 - Ethics and Literature
- PHIL 11100 - Ethics
- PHIL 32500 - Ethics and Public Health
- SOC 22000 - Social Problems

Racial and Ethnic Diversity (3 Credits)

Choose one:

- ANTH 37900 - Native American Cultures
- ENGL 25700 - Literature of Black America
- HIST 36600 - Hispanic Heritage of the United States
- HIST 40100 - Indigenous Traditions of Latin America
- HIST 46600
- LALS 10100 - Introduction to Latin American Studies
- PSY 33400 - Cross Cultural Psychology
- PSY 33500 - Stereotyping and Prejudice
- SOC 31000 - Racial and Ethnic Diversity
- SPAN 33500 - The Literature of the Spanish-Speaking Peoples in the United States

Literature and the Arts (3 Credits)

Choose one:

- AD 11300 - Basic Drawing
- AD 25500 - Art Appreciation
- AD 38300 - Modern Art
- COM 24000 - Introduction to Oral Interpretation
- ENGL 20100 - The Nature of Literary Study
- ENGL 20500 - Introduction to Creative Writing
- ENGL 22100 - Introduction to Shakespeare
- ENGL 23000 - Great Narrative Works
- ENGL 23100 - Introduction to Literature
- ENGL 23200 - Thematic Studies in Literature
- ENGL 23500 - Introduction to Drama
- ENGL 23700 - Introduction to Poetry
- ENGL 23800 - Introduction to Fiction
- ENGL 23900 - Introduction to Biography

- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period
- ENGL 25000 - Great American Books
- ENGL 25700 - Literature of Black America
- ENGL 26400 - The Bible as Literature
- ENGL 26600 - World Literature: From the Beginnings to 1700 A.D.
- ENGL 26700 - World Literature: From 1700 A.D. to the Present
- ENGL 28600 - The Movies
- ENGL 31100 - Identity in Ethnic American Women's Literature
- ENGL 31800 - Graphic Narrative
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period
- ENGL 35600 - American Humor
- ENGL 36000 - Gender and Literature
- ENGL 37300 - Science Fiction and Fantasy
- ENGL 37900 - The Short Story
- ENGL 38100 - The British Novel
- ENGL 38200 - The American Novel
- ENGL 40700 - Introduction to Poetry Writing
- ENGL 40900 - Introduction to Fiction Writing
- ENGL 41000 - Introduction to Creative Nonfiction Writing
- ENGL 41100 - Studies in Major Authors
- ENGL 44100 - Chaucer's Canterbury Tales
- ENGL 44200 - Shakespeare
- ENGL 44400 - Milton
- ENGL 46900 - Issues in Contemporary Criticism and Theory
- MUS 25000 - Music Appreciation
- PHIL 27500 - The Philosophy of Art
- SPAN 23500 - Spanish American Literature in Translation
- SPAN 24100 - Introduction to the Study of Hispanic Literature
- SPAN 33500 - The Literature of the Spanish-Speaking Peoples in the United States
- THTR 20100 - Theatre Appreciation
- THTR 30800 - The History and Development of the American Musical Theatre
- THTR 34800 - Dramatic Performance in Context

Individual and Society (3 Credits)

Choose one:

- ANTH 10000 - Introduction to Anthropology
- COM 21200 - Approaches to the Study of Interpersonal Communication
- COM 25000 - Mass Communication and Society
- COM 32000 - Small Group Communication
- COM 32400 - Introduction to Organizational Communication
- ECON 21000 - Principles of Economics
- ECON 25200 - Macroeconomics
- ENGL 22700 - Elements of Linguistics

- NUR 21800 - Human Development and Health Promotion
- NUR 22200 - Foundations of Holistic Health and Wellness
- PSY 12000 - Elementary Psychology
- PSY 20000 - Introduction to Cognitive Psychology
- PSY 23500 - Child Psychology
- PSY 24000 - Introduction to Social Psychology
- PSY 25000 - Psychology of Adjustment
- PSY 25100 - Health Psychology
- PSY 35000 - Abnormal Psychology
- SOC 10000 - Introductory Sociology
- SOC 34000 - General Social Psychology
- SOC 35000 - Social Psychology of Marriage
- SOC 36500 - Constructing American Families

Global Cultures (3 Credits)

Choose one:

- ANTH 20500 - Human Cultural Diversity
- ASL 28000 - American Deaf Community: Language, Culture, and Society
- ENGL 26600 - World Literature: From the Beginnings to 1700 A.D.
- ENGL 26700 - World Literature: From 1700 A.D. to the Present
- ENGL 36600 - Postcolonial Literatures
- HIST 10500 - Survey of Global History
- HIST 27100 - Introduction to Colonial Latin American History (1492-1810)
- HIST 27200 - Introduction to Modern Latin American History (1810 to the Present)
- HIST 30501 - Latin American History through Film
- HIST 35201 - Revolution and Revolutionaries in 20th and 21st Century Latin America
- HIST 36110 - Environmental History of Latin America
- HIST 36600 - Hispanic Heritage of the United States
- HIST 40100 - Indigenous Traditions of Latin America
- HIST 42500 - Social and Ecological History of the Andes
- LALS 10100 - Introduction to Latin American Studies
- PHIL 33000
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World
- POL 23200 - Contemporary Crises in International Relations
- POL 32300 - Comparative Environmental Policy
- POL 34500 - West European Democracies in the Post-Industrial Era
- SOC 40300 - Sociology of Developing Countries in Era of Globalization
- SOC 40400 - The Environment and Social Justice
- SOC 40500 - Power, Social Control and the Media
- SOC 40600 - People's Movements and Social Power
- SPAN 23500 - Spanish American Literature in Translation

Gender Issues (3 Credits)

Choose one:

- ANTH 23000 - Gender Across Cultures
- COM 37600 - Communication and Gender
- ENGL 31100 - Identity in Ethnic American Women's Literature
- ENGL 36000 - Gender and Literature
- GBG 45000 - Women in Business
- HIST 36500 - Women in America
- IDIS 10600 - Introduction to Gender Studies
- PHIL 40800 - Philosophy of Love and Friendship
- PSY 23900 - The Psychology of Women
- PSY 36500 - Development of Gender Roles in Children
- SOC 31501 - Gender in Society
- SOC 31700 - Sociology of Sex and Sexualities
- WOST 28000

Total 120 Credits Required

English, English Teaching, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Life Science with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 11000 - Introduction to Philosophy

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- ENGL 31900 - Creative Writing

First-Year Experience (FYE) (3 Credits)

- PHIL 10700 - Freshman Experience -English & Philosophy

Major Core (42 Credits)

- ENGL 20100 - The Nature of Literary Study
- EDFA 20000 - History and Philosophy of Education
- EDPS 22000 - Psychology of Learning
- EDPS 26000 - Introduction to Special Education
- EDCI 35500 - Teaching and Learning K-12 Classroom
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- ECON 10100 - Survey of Economics
- EDCI 34100 - English Teaching in Senior High, Junior High and Middle Schools
- EDCI 32300 - Educational Technology for Teaching and Learning
- EDCI 49700 - Supervised Teaching

Other Required Courses (60 Credits)

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Literature Requirement (39 Credits)

Pre/Co-requisite ENGL 10000 or ENGL 10400 or ENGL 10800 and/or ENGL 20100. Must take 13 courses:

Choose 5 Survey Courses From:

Should be taken in Freshmen/Sophomore years.

- ENGL 24000 - Survey of the British Literature: From the Beginnings Through the Neoclassical Period
- ENGL 24100 - Survey of the British Literature: From the Rise of Romanticism to the Modern Period (m)
- ENGL 26000 - Introduction to World Literature: to 1700
- ENGL 26100 - Introduction to World Literature: Since 1700
- ENGL 35000 - Survey of American Literature From Its Beginnings to 1865
- ENGL 35100 - Survey of American Literature From 1865 to the Post-World War II Period

Choose One From:

- ENGL 30800 - Modern English Grammar
- ENGL 31900 - Creative Writing
- ENGL 39100 - Composition for English Teachers
- ENGL 49200 - Literature in the Secondary Schools (Genre)

Choose One Linguistics From:

- ENGL 32600 - English Linguistics
- ENGL 32700 - English Language I: History and Development (Historical)

Choose One Junior/Senior Seminar From:

Should be taken in Junior/Senior years.

- ENGL 41100 - Studies in Major Authors
- ENGL 41200 - Studies in Genre
- ENGL 41300 - Studies in Literature and History
- ENGL 41400 - Studies in Literature and Culture

Should Be Taken in Senior Year

- ENGL 44200 - Shakespeare (Cultural)

- ENGL 40300 - Literary Theory (Cultural)

Physical Science (3 Credits)

- SCI 11200 - Introduction to the Physical Sciences I
- Any Phys Sci
- SCI 11300 - Introduction to the Physical Sciences II
- SCI 14000 - Introduction to Forensic Science
- SCI 15000 - Brewing Science

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World

Total 132 Credits Required

English, English Writing, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Life Science with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 11000 - Introduction to Philosophy

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- PHIL 10700 - Freshman Experience -English & Philosophy

Major Core (90 Credits)

- ENGL 23100 - Introduction to Literature
- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Writing Requirement (36 Credits)

Must take 12 courses from:

- COM 30200 - Publications Design (m)
or
- ENGL 30200 - Publications Design (m)
- COM 45100 - Feature Writing (E X L)
or
- ENGL 45100 - Feature Writing (E X L)
- ENGL 31900 - Creative Writing
- ENGL 40400 - Web Page Design
- ENGL 40600 - Review Writing (m) (E X L)
- ENGL 41101 - Introduction to Writing in the Health Sciences (E X L)
- ENGL 42000 - Business Writing (m)
- ENGL 43100 - Web Usability: Writing and Reading On the Web (E X L)
- ENGL 43600 - Writing for Informational Interactive Media (E X L)
- ENGL 43700 - Writing for Video Games (m) (E X L)
- ENGL 42501 - Writing or New Media
- ENGL 43500 - Topics in Writing for Interactive Digital Media

Additional Math or Science Course (3 Credits)

- PHIL 15000 - Principles of Logic
or
- choose any MA (except MA 11500), STAT, SCI, or CIS course.

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing

- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Free Electives (24 Credits)

Total 120 Credits Required

Entrepreneurship, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics
- PHIL 32400 - Ethics for the Professions
- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (18 Credits)

- ENTR 10000 - Introduction to Entrepreneurship
- ENTR 31001 - Launching a New Venture
- ENTR 25000 - Opportunity Identification
- ENTR 30300 - Raising Money
- ENTR 42000 - Business Plan Development
- ENTR 30006 - Growing the Firm Credit Hours: 3.00

Other Required Courses (21 Credits)

Business Electives (6 Credits)

Any College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Free Electives (12 Credits)

Any course 10000 level or higher except for CHM 10000, CHM 29000, MA 11100, and MA 11500.

Major Course (3 Credits)

Choose any 1 course from

- ENTR 40000 - Small Business Consulting
- ENTR 40100 - Social Entrepreneurship
- ENTR 41000 - Advanced Small Business Consulting
- ENTR 49000 Credit Hours: 3.00

Total 120 Credits Required

Finance, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics
- PHIL 32400 - Ethics for the Professions
- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (18 Credits)

- ACC 35000 - Intermediate Accounting I
- FIN 44300 - Fundamentals of Investments
- FIN 34000 - Corporate Financial Problems
- FIN 41200 - Financial Markets and Institutions
- FIN 44900 - International Financial Management
- ACC 40200 - Financial Statements Analysis

Other Required Courses (21 Credits)

Business Electives (9 Credits)

Any (3) College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Free Electives (6 Credits)

Any (2) course 10000 level or higher except for CHM 10000, GNS 29000, MA 11100, and MA 11500.

Finance Electives (6 Credits)

Choose (2) from:

- FIN 44000 - Management of Financial Institutions
- FIN 44100 - Futures and Options
- FIN 44200 - Personal Finance
- FIN 44400 - Investment Management
- FIN 44700 - Derivatives
- FIN 44800 - Real Estate Principles

Total 120 Credits Required

Foreign Language, French Teaching, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

- SCI 10500 - Invitation to Human Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- ENGL 23100 - Introduction to Literature

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- POL 10100 - American Government and Politics

First-Year Experience (FYE) (3 Credits)

- FLL 10300

Major Core (51 Credits)

- FR 10100 - French Level I
- FR 10200 - French Level II
- FR 20100 - French Level III
- FR 20200 - French Level IV
- EDFA 20000 - History and Philosophy of Education
- EDPS 22000 - Psychology of Learning
- EDPS 26000 - Introduction to Special Education
- ECON 10100 - Survey of Economics
- EDCI 35500 - Teaching and Learning K-12 Classroom
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- EDCI 34200 - Strategies of Foreign Language Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49700 - Supervised Teaching

Other Required Courses (45 Credits)

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Physical Science (3 Credits)

Any Phys. Sci. course

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

French Requirement (27 Credits)

Must take 9 courses from the following:

- FR 26100 - French Composition
- FR 36500 - French Conversation
- FR 46100 - Intermediate French Composition
- FR 46500 - Intermediate French Conversation
- FR 51100 - Advanced French Conversation

French Literature

Two French Literature courses:

- FR 40500 - Introduction to French Literature I
- FR 40600 - Introduction to French Literature II
or
- FR 39000 - Special Topics in French

or

- FR 49000 - Topics in French

French Culture

- FR 35000

French Civilization

- FR 45000 - French Civilization

French Electives (6 Credits)

Choose two from:

- FR 30700 - Commercial French
- FR 39000 - Special Topics in French
- FR 49000 - Topics in French
- FR 51500 - Advanced French Composition

Total 126 Credits Required

Foreign Language, French, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Life Science with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- HIST 10400 - Introduction to the Modern World

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- FLL 10300 - Freshman Experience Worldviews

Major Core (90 Credits)

- FR 10100 - French Level I
- FR 10200 - French Level II
- FR 20100 - French Level III
- FR 20200 - French Level IV
- ECON 10100 - Survey of Economics
- ENGL 23100 - Introduction to Literature

French Requirement (33 Credits)

Must take 11 courses:

- FR 26100 - French Composition

- FR 36500 - French Conversation
- FR 46100 - Intermediate French Composition
- FR 46500 - Intermediate French Conversation
- FLL 31100 - French Cinema - Introduction to Film Study (should be taken during semesters 3 and 4)
- FLL 36100 (should be taken during semesters 3 and 4)
- FR 49900 - French Senior Project (should be taken in Senior year)

Select One of the Following:

- FR 35000 - French Culture
- FR 45000 - French Civilization
- FR 30700 - Commercial French

French Literature

One course from:

- FR 40500 - Introduction to French Literature I
- FR 40600 - Introduction to French Literature II
- FR 39000 - Special Topics in French
- FR 49000 - Topics in French with French Literature topic.

French Electives

Any (2) FR 30000 level or higher not already used to fulfill the French Requirements listed above.

Additional Math or Science Course (3 Credits)

Choose 1 from:

- Any MA (except MA 11500), STAT, SCI, CIS course
or
- PHIL 15000 - Principles of Logic
- CIS 20400 - Introduction to Computer-Based Systems is highly recommended to fulfill general education requirements.

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Free Elective EXL (3 Credits)

One free elective must be an EXL course. Recommend Study Abroad in France the summer before senior year.

Free Electives or Minor (24 Credits)

Any course 10000 level or higher or select a minor.

Total 120 Credits Required

Foreign Language, Spanish Teaching, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

- SCI 10500 - Invitation to Human Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- POL 10100 - American Government and Politics

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Any Physical Science Course

First-Year Experience (FYE) (3 Credits)

- FLL 10300 - Freshman Experience Worldviews

Major Core (51 Credits)

- SPAN 10100 - Spanish Level I
- SPAN 10200 - Spanish Level II
- SPAN 20100 - Spanish Level III
- SPAN 20200 - Spanish Level IV
- EDFA 20000 - History and Philosophy of Education
- EDPS 22000 - Psychology of Learning
- EDPS 26000 - Introduction to Special Education
- ECON 10100 - Survey of Economics

- EDCI 35500 - Teaching and Learning K-12 Classroom
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- EDCI 34200 - Strategies of Foreign Language Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49700 - Supervised Teaching

Other Required Courses (42 Credits)

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Spanish Requirement (33 Credits)

Must take 11 courses:

Spanish Non-Heritage Speakers Must Take:

- SPAN 26100 - Spanish Composition
- SPAN 30400 - Readings from the Hispanic World
- SPAN 30600 - Spanish Grammar
- SPAN 36500 - Spanish Conversation

- SPAN 46100 - Intermediate Spanish Composition
- SPAN 46500 - Intermediate Spanish Conversation
- SPAN 40500 - Introduction to Spanish Literature I
or
- SPAN 40600 - Introduction to Spanish Literature II
- SPAN 43500 - Spanish American Literature to Modernism
or
- SPAN 43600 - Spanish American Literature from Modernism to Present
- SPAN 45100 - Spanish Civilization
or
- SPAN 48100 - Spanish Culture
- SPAN 48200 - Latin American Civilization
or
- SPAN 41300 - Culture of Spanish -Speaking Americans
- FLL 36100

Spanish Heritage Speakers Must Take:

- SPAN 31300 - Spanish for Spanish Speakers I
- SPAN 31400 - Spanish for Spanish Speakers II
- SPAN 30400 - Readings from the Hispanic World
- SPAN 30600 - Spanish Grammar
- SPAN 40500 - Introduction to Spanish Literature I
or
- SPAN 40600 - Introduction to Spanish Literature II
- SPAN 43500 - Spanish American Literature to Modernism
or
- SPAN 43600 - Spanish American Literature from Modernism to Present
- SPAN 45100 - Spanish Civilization
or
- SPAN 48100 - Spanish Culture
- SPAN 48200 - Latin American Civilization
or
- SPAN 41300 - Culture of Spanish -Speaking Americans
- SPAN 51100 - Advanced Spanish Conversation
- SPAN 51500 - Advanced Spanish Composition
- FLL 36100

Total 123 Credits Required

Foreign Language, Spanish, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Life Science with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- HIST 10400 - Introduction to the Modern World

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- FLL 10300 - Freshman Experience Worldviews

Major Core (90 Credits)

- SPAN 10100 - Spanish Level I
- SPAN 10200 - Spanish Level II
- SPAN 20100 - Spanish Level III
- SPAN 20200 - Spanish Level IV
- ECON 10100 - Survey of Economics
- ENGL 23100 - Introduction to Literature

Spanish Requirement (33 Credits)

Must take 11 courses:

Spanish Non-Heritage Speakers Must Take:

- SPAN 26100 - Spanish Composition
- SPAN 30400 - Readings from the Hispanic World
- SPAN 30600 - Spanish Grammar
- SPAN 30700 - Commercial Spanish
- SPAN 36500 - Spanish Conversation
- SPAN 40500 - Introduction to Spanish Literature I
or
- SPAN 40600 - Introduction to Spanish Literature II
or
- SPAN 43500 - Spanish American Literature to Modernism
or
- SPAN 43600 - Spanish American Literature from Modernism to Present
- SPAN 45100 - Spanish Civilization
or
- SPAN 48100 - Spanish Culture
- SPAN 46100 - Intermediate Spanish Composition
- SPAN 46500 - Intermediate Spanish Conversation
- SPAN 48200 - Latin American Civilization
or

- any Latin American culture or civilization
- FLL 36100

Spanish Heritage Speakers Must Take:

- SPAN 30400 - Readings from the Hispanic World
- SPAN 30600 - Spanish Grammar
- SPAN 30700 - Commercial Spanish
- SPAN 31300 - Spanish for Spanish Speakers I (m)
- SPAN 31400 - Spanish for Spanish Speakers II (m)
- SPAN 40500 - Introduction to Spanish Literature I
or
- SPAN 40600 - Introduction to Spanish Literature II
or
- SPAN 43500 - Spanish American Literature to Modernism
or
- SPAN 43600 - Spanish American Literature from Modernism to Present
- SPAN 45100 - Spanish Civilization
or
- SPAN 48100 - Spanish Culture
- SPAN 48200 - Latin American Civilization
or
- any Latin American culture or civilization
- SPAN 51100 - Advanced Spanish Conversation
- SPAN 51500 - Advanced Spanish Composition
- FLL 36100

Additional Math or Science Course (3 Credits)

Choose 1 course from:

- Any MA (except MA 11500), STAT, SCI, CIS course
or
- PHIL 15000 - Principles of Logic
- CIS 20400 - Introduction to Computer-Based Systems is highly recommended to fulfill general education requirements.

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations

- POL 14100 - Governments of the World

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- ENGL 28600 - The Movies
- COM 34300 - Fundamentals of Oral Interpretation
- THTR 20100 - Theatre Appreciation

Free Elective EXL (3 Credits)

One free elective must be an EXL course. Recommend Study Abroad in Spain the summer before senior year.

Free Electives or Minor (24 Credits)

Any course 10000 level or higher or select a minor.

Total 120 Credits Required

General Physical Sciences, BS

General Physical Sciences trains students through a multi-disciplinary approach to solve complex problems that require knowledge and techniques from a variety of disciplines.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I
or
- MA 16031 - Calculus I for Life Sciences

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (22 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- MA 16400 - Integrated Calculus Analysis Geometry II
- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics
- BIOL 10100 - Introductory Biology
- CHM 29400 - Sophomore Chemistry Seminar
- CHM 49800 - Research in Chemistry (2) (e)
- CHM 49400 - Junior-Senior Chemistry Seminar

Other Required Courses (66 Credits)

Free Electives (30 Credits)

Select (10) free electives.

Departmental Electives (21 Credits)

(A minimum of 7 credit hours must be at the 30000 level or above.) ASTR (any course); CHM (any course 20000 or higher); EAS (any course); FIS (any course); PHYS (any course 20000 or higher); SCI, any course from the following:

- SCI 10601 - Food Chemistry
- SCI 12200 - Origin of the Universe
- SCI 13100 - Science and Environmental Issues
- SCI 14000 - Introduction to Forensic Science
- SCI 15000 - Brewing Science
- SCI 20200 - Environmental Science
- SCI 22000 - Health and Safety

CES Electives (12 Credits)

Select (4) CES electives: ASTR (any course); BIOL (any course excluding BIOL 10008, 10010, and BIOL 10700); CHM (any course 20000 or higher); CE (any course); CS (any course excluding CS 10000); EAS (any course); ECE (any course); ENGR (any course excluding 11000, ENGR 18600); FIS (any course); MSE (any course); MA (any course 20000 or higher excluding MA 23700, MA 23800, and MA 23900); ME (any course); PHYS (any course 20000 or higher); STAT (any course 20000 or higher); and SCI, any course from the following:

- SCI 10601 - Food Chemistry
- SCI 12200 - Origin of the Universe
- SCI 13100 - Science and Environmental Issues
- SCI 14000 - Introduction to Forensic Science
- SCI 15000 - Brewing Science
- SCI 20200 - Environmental Science
- SCI 22000 - Health and Safety

General Education Elective (3 Credits)

Total 120 Credits Required

Students who choose to take MA 16031, MA 16032, PHYS 22000, and PHYS 22100 will need to take an additional five (5) credits in free electives to meet the 120 credit hour requirement.

General Physical Sciences, Environmental Science, BS

Provides the chemical and physical training needed for students to work in environmental monitoring and remediation, global policy, or meteorology and oceanography.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences
- or
- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (2 Credits)

Any Gen Ed approved course

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (73 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- SCI 13100 - Science and Environmental Issues
- EAS 11000 - Survey of Geology
- EAS 22000 - Survey of Physical Geography
- ECON 21000 - Principles of Economics
- SCI 20200 - Environmental Science

- MA 16032 - Calculus II for Life Sciences
or
- MA 16400 - Integrated Calculus Analysis Geometry II

- BIOL 10100 - Introductory Biology
- CHM 26505 - Organic Chemistry
- CHM 26300 - Organic Chemistry Laboratory
- PHYS 22000 - General Physics
- SCI 22000 - Health and Safety
- CHM 29400 - Sophomore Chemistry Seminar
- CHM 26605 - Organic Chemistry
- CHM 26400 - Organic Chemistry Laboratory
- PHYS 22100 - General Physics
- BIOL 10200 - Introductory Biology
- CHM 32100 - Analytical Chemistry I
- CHM 32400 - Survey of Environmental Chemistry
- CHM 42400 - Analytical Chemistry II
- BIOL 33300 - Ecology
- STAT 30100 - Elementary Statistical Methods
- ECON 31100 - Environmental Economics
- CHM 49800 - Research in Chemistry (2) (e)
- BIOL 31600 - Basic Microbiology
- CHM 49400 - Junior-Senior Chemistry Seminar

Other Required Courses (15 Credits)

Restricted Electives (12 Credits)

Choose (4) from:

- CHM 33300 - Principles of Biochemistry (see note 1 regarding prerequisites)
- BIOL 40500 - Conservation Biology
- BIOL 41300 - Aquatic Ecology
- BIOL 41400 - Invasive Species Ecology
- EAS 22200 - Weather Studies
- EAS 22300 - Ocean Studies
- ENGL 22000 - Technical Report Writing
- POL 22100 - Introduction to Science and Government
- POL 22300 - Introduction to Environmental Policy
- POL 30500 - Technology and Society
- Additional courses may be used with advisor permission.

Free Elective (3 Credits)

Total 120 Credits Required

General Physical Sciences, Forensic Science, BS

Students are taught how to analyze crime scenes, perform ballistic and fingerprint comparisons, and learn how to maintain a proper chain of evidence and testify in a courtroom, in order to support modern criminal investigations.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I
or
- MA 16031 - Calculus I for Life Sciences

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

- PHIL 11100 - Ethics

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

Any Gen Ed approved course

First-Year Experience (FYE) (1 Credit)

- CHM 19400 - Freshman Chemistry Orientation

Major Core (63 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- MA 16032 - Calculus II for Life Sciences
- or
- MA 16400 - Integrated Calculus Analysis Geometry II
- SCI 14000 - Introduction to Forensic Science
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- BIOL 10100 - Introductory Biology
- CHM 26505 - Organic Chemistry
- CHM 26300 - Organic Chemistry Laboratory
- CHM 26605 - Organic Chemistry
- CHM 26400 - Organic Chemistry Laboratory
- CHM 29400 - Sophomore Chemistry Seminar
- SCI 22000 - Health and Safety
- BIOL 10200 - Introductory Biology
- CRJU 15000 - Introduction to the Criminal Justice System
- STAT 30100 - Elementary Statistical Methods

- CHM 33300 - Principles of Biochemistry
- PSY 35000 - Abnormal Psychology
- CHM 32100 - Analytical Chemistry I
- CHM 49800 - Research in Chemistry (2) (e)
- BIOL 22400 - Anatomy and Physiology Practicum II
- CHM 49400 - Junior-Senior Chemistry Seminar
- CHM 42400 - Analytical Chemistry II
- CRJU 32400 - Criminology

Other Required Courses (24 Credits)

CES Elective (3 Credits)

ASTR (any course); BIOL (any course excluding BIOL 10008, 10010, and BIOL 10700); CHM (any course 20000 or higher); CE (any course); CS (any course excluding CS 10000); EAS (any course); ECE (any course); ENGR (any course excluding 11000, ENGR 18600); FIS (any course); MSE (any course); MA (any course 20000 or higher excluding MA 23700, MA 23800, and MA 23900); ME (any course); PHYS (any course 20000 or higher); STAT (any course 20000 or higher); and SCI, any course from the following:

- SCI 10601 - Food Chemistry
- SCI 12200 - Origin of the Universe
- SCI 13100 - Science and Environmental Issues
- SCI 14000 - Introduction to Forensic Science
- SCI 15000 - Brewing Science
- SCI 20200 - Environmental Science
- SCI 22000 - Health and Safety

Restricted Electives (12 Credits)

Choose (4): CHM (any course excluding CHM 10000, CHM 11100, CHM 11200, and CHM 19400), PHYS (any course 20000 or higher), or forensics oriented SCI course. See program advisor for a list of available courses.

Free Electives (9 Credits)

Choose (3) free electives.

Total 120 Credits Required

Health Studies, BS

The health studies program provides a number of paths to students who wish to work in a health-related career but do not want to pursue nursing. Graduates are well prepared to immediately enter non-clinical occupations within the health care sector, and/or to pursue master's degrees in health and human services or doctoral level training in health services research, public health, health education and more. Additionally, for students who already hold an associate degree in a health-related field, this program has

been designed with an accessible two-year degree completion track, allowing graduates to quickly earn their bachelor's and move into management and leadership roles within the industry.

Degree Requirements

PNW General Education Core (30-31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or above

Natural Sciences (3-4 Credits)

- CHM 11500 - General Chemistry
or
- CHM 11900 - General Chemistry

Technology (3 Credits)

- HST 35300 - Health Care Informatics

Humanities (3 Credits)

- PHIL 11100 - Ethics

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (3 Credits)

- GS 19100 - First-Year Experience I

Major Core (36 Credits)

- HST 20000 - Medical Terminology
- HST 34900 - Contemporary Trends in Health Care Systems
- COM 35400 - Introduction to Health Communication
- HST 35800 - Cultural Diversity in Health and Illness
- PSY 25100 - Health Psychology
- BIOL 22500 - Fundamentals of Human Pathology
- HST 30300 - Principles of Health Insurance
- PCTX 20100 - Introductory Pharmacology
- HST 33000 - Human Sexuality
- HST 21800 - Human Development and Health Promotion
- OBHR 42700 - Occupational Safety and Health
- HST 44700 - Health Studies Capstone

Other Required Courses (9 Credits)

Restricted Electives (9 Credits)

- HST 31300 - Essentials of Nutrition
- ANSC 22100 - Principles of Animal Nutrition
- PSY 20100 - Introduction to Statistics in Psychology
- SOC 38200 - Introduction to Statistics in Sociology
- STAT 30100 - Elementary Statistical Methods
- STAT 31000 - Health Care Statistics
- HST 35500 - Thanatology
- HST 37800 - Aging in a Modern Society
- PSY 36700 - Adult Development and Aging

Secondary Area of Study (44-45 Credits)

Students will take an additional 44-45 credits in a track of interest approved by their department.

Total 120 Credits Required

History, BA

The Purdue University Northwest Bachelor of Arts degree in History meets the general guidelines of the American Historical Association. Earning a Bachelor's degree in History will open many opportunities. Graduates with degrees in History will be well suited to pursue careers as researchers, curators, archivists, entrepreneurs, business managers and in government service. The degree also prepares students well for graduate school, MBA programs and law school. Students earning a degree in History will gain essential critical thinking skills, expertise in writing and communication, research capabilities and analytical skills that potential employers find essential in the workplace.

A special feature of the program is its Research Seminar, which will provide students with the opportunity to delve into and investigate local historical societies or other archives. Upon completion of their investigations, students will have an opportunity to present their work.

PNW history students may apply for membership in the Phi Alpha Theta national history honor society, which provides students with an opportunity for recognition of excellence, and allow them to participate in regional and national research conferences and be eligible for various scholarships, awards and recognition.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 12301 - Mathematical Ideas
- STAT 11300 - Statistics and Society
- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- CNIT 10700 - Computers and Software Packages

Humanities (3 Credits)

- HIST 15100 - American History to 1877

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

First-Year Experience (FYE) (3 Credits)

- HIST 10600 - Introduction to History and Social Studies
or
- GS 19100 - First-Year Experience I

Major Core (39 Credits)

- HIST 10500 - Survey of Global History
- POL 10100 - American Government and Politics
- HIST 10400 - Introduction to the Modern World
- HIST 29501 - Introduction to Historiography
- AD 25500 - Art Appreciation
- EAS 10000 - Planet Earth
or
- FN 30300 - Essentials of Nutrition
- ECON 10100 - Survey of Economics
or
- ECON 21000 - Principles of Economics
- PHIL 11100 - Ethics
- ENGL 23100 - Introduction to Literature
- SOC 31501 - Gender in Society
or
- WOST 12100 - Introduction to Women's Studies
- POL 13000 - Introduction to International Relations
- SOC 31000 - Racial and Ethnic Diversity
or
- SOC 31400 - Race and Ethnic Relations
- HIST 49500 - Research Seminar in Historical Topics

Other Required Courses (51 Credits)

Foreign Language (12 Credits)

Must complete 4 semesters of the same foreign language.

Level I Course (m) (3 Credits)

Choose from:

- SPAN 10100 - Spanish Level I
- FR 10100 - French Level I
- GER 10100 - German Level I
- JPNS 10100 - Japanese Level I

Level II Course (3 Credits)

Choose from:

- SPAN 10200 - Spanish Level II
- FR 10200 - French Level II
- GER 10200 - German Level II
- JPNS 10200 - Japanese Level II

Level III Course (3 Credits)

Choose from:

- SPAN 20100 - Spanish Level III
- FR 20100 - French Level III
- GER 20100 - German Level III
- JPNS 20100 - Japanese Level III

Level IV Course (3 Credits)

Choose from:

- SPAN 20200 - Spanish Level IV
- FR 20200 - French Level IV
- GER 20200 - German Level IV
- JPNS 20200 - Japanese Level IV

US History Electives (6 Credits)

30000 level US History courses have a prerequisite of HIST 15100 or HIST 15200. Other courses may be approved by the program advisor.

Non-US History Electives (6 Credits)

30000 level US History courses have a prerequisite of HIST 15100 or HIST 15200. Other courses may be approved by the program advisor.

History Free Electives (12 Credits)

30000 level or above

Free Electives (15 Credits)

Total 120 Credits Required

History, Social Studies Education, BA

The Purdue University Northwest Bachelor of Arts in History with a concentration in Social Studies Education is housed within the department of History and Philosophy. This program, cooperatively developed and supported by the department and the PNW School of Education and Counseling, is specifically designed to provide preparation for teachers of social studies. In alignment with standards set by the state of Indiana Department of Education, students each specialize in the teaching of historical perspectives, and additionally choose at least two of the following areas of specialization: Economics, Government and Citizenship, Psychology, and Sociology.

Graduates of our program have gone on to become excellent teachers, earning awards and successfully changing the lives of students in Indiana and beyond through social studies education.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- HIST 15100 - American History to 1877

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology

Additional Credits - Life Science (3 Credits)

- SCI 10300 - Survey of the Biological World
- SCI 10400 - Introduction to Environmental Biology
- SCI 10500 - Invitation to Human Biology
- SCI 11400 - Introduction to Life Science

First-Year Experience (FYE) (3 Credits)

- HIST 10600 - Introduction to History and Social Studies

Major Core (57 Credits)

- HIST 10500 - Survey of Global History
- EDPS 26000 - Introduction to Special Education
- EDFA 20000 - History and Philosophy of Education
- HIST 11000 - The Pre-Modern World
- ENGL 23100 - Introduction to Literature
- EDPS 22000 - Psychology of Learning
- HIST 15200 - United States Since 1877

- POL 10100 - American Government and Politics
- ECON 10100 - Survey of Economics
- HIST 29500 - Research and Writing in History
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- EDPS 35500 - Teaching & Learning in K-12 Classroom Credit Hours: 3.00
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- EDCI 34700 - Strategies of Social Studies Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49700 - Supervised Teaching

Other Required Courses (57 Credits)

Foreign Language (12 Credits)

French, Spanish, German

Philosophy (3 Credits)

Any 10000 level, except PHIL10500

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

History Elective (3 Credits)

Any 30000 level

History Elective (Non-American) (6 Credits)

Any 3000 level History course.

- HIST 30600 - The United States in 1960's
- HIST 31600 - History of Architecture II
- HIST 32500 - History of Crime in America
- HIST 33600 - History of Organized Crime in America
- HIST 36500 - Women in America
- HIST 37400 - United States Economic History
- HIST 41000 - Community Preservation Project

- HIST 42600 - History of United States-China Relations
- HIST 55300 - Colonial America, 1600-1776
- HIST 56400
- HIST 58400 - Social History of the United States
- or any non-American History course approved by the department.
- HIST 39300 - Historical Geography recommended.

Intense Area 2 and 3 (30 Credits)

Choose 15 credit hours in two of the following intense areas:

Economics

- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics

Plus 3 of the Following:

- ECON 31100 - Environmental Economics
- ECON 35200 - Intermediate Macroeconomics
- ECON 37500 - United States Economic History
- ECON 38000 - Money and Banking
- ECON 41900 - Managerial Economics
- ECON 43400 - International Trade
- ECON 46500 - Economic Forecasting Techniques
- HIST 37400 - United States Economic History

Government

- POL 10100 - American Government and Politics
- POL 13000 - Introduction to International Relations
- POL 14100 - Governments of the World
- POL 20000 - Introduction to the Study of Political Science
- Plus two 30000 level or higher courses as approved by the department.

Psychology

- POL 12000 - Introduction to Public Policy and Public Administration
- POL 36100
- POL 36200
- SOC 33900 - Introduction to the Sociology of Developing Nations
- SOC 34000 - General Social Psychology
- PSY 34400 - Human Sexuality
- PSY 42800 - Drugs and Behavior

- Plus one 30000 level or higher PSY course.

Sociology

- SOC 10000 - Introductory Sociology
- SOC 22200
- plus three 30000 level or higher SOC courses.

Total 144 Credits Required

Hospitality and Tourism Management, BS

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (6 Credits)

- FN 30300 - Essentials of Nutrition and any Natural Science course w/ Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (1 Credit)

- HTM 10100 - Hospitality and Tourism Student Seminar

Major Core (65 Credits)

- HTM 10000 - Introduction to the Hospitality and Tourism Industry
- HTM 19100 - Sanitation and Health in Foodservice, Lodging, and Tourism
- FN 20300 - Foods Selection and Preparation
- HTM 14100 - Financial Accounting for the Service Industries
- HTM 18100 - Lodging Management
- HTM 34100 - Cost Controls in Foodservice and Lodging
- ECON 21000 - Principles of Economics
- HTM 21200 - Organization and Management in the Hospitality and Tourism Industry
- HTM 23100 - Hospitality and Tourism Marketing
- HTM 29100 - Quantity Food Production and Service
- HTM 37100 - Introduction to Tourism
- HTM 24100 - Managerial Accounting and Financial Management in Hospitality Operations
- HTM 31100 - Procurement Management for Foodservice
- HTM 31200 - Human Resources Management for the Service Industries
- HTM 32200 - Hospitality Facilities Management
- ENGL 42000 - Business Writing
- HTM 41100 - Hospitality and Tourism Law
- HTM 49100 - Beverage Management
- HTM 49900 - Feasibility Studies and Business Development in Hospitality and Tourism
- HTM 30100 - Hospitality and Tourism Industry Practice
- HTM 49200 - Advanced Foodservice Management
- SPAN 10600 - Spanish for Business I

Other Required Courses (33 Credits)

HTM Electives (12 Credits)

Choose (4) from:

- HTM 30900 - Hospitality and Tourism Management Publicity and Promotion
- HTM 31400 - Franchising
- HTM 31500 - Club Management and Operations
- HTM 31600 - Casino Management
- HTM 32100 - Equipment for Restaurants, Hotels, and Institutions
- HTM 32300 - Food Service Layout and Design
- HTM 33100 - Hospitality and Tourism Sales and Service
- HTM 35200 - International Cuisine
- HTM 36100 - Managed Services for the Foodservice Industry
- HTM 37200 - Global Tourism Geography
- HTM 37500 - Sport-Related Tourism and Leisure Management
- HTM 38100 - Executive Housekeeping Management
- HTM 38300 - Resort, Cruise, and Entertainment Operations
- HTM 38500 - Educational Study Cruise (E X L)
- HTM 39000 - Undergraduate Special Problems (Beer Appreciation)
- HTM 39000 - Undergraduate Special Problems (Introduction to Baking Management)
- HTM 39000 - Undergraduate Special Problems (Special Event Planning: A Christmas Story)
- HTM 39000 - Undergraduate Special Problems (Special Event Planning: Lakeshore Air Show)
- HTM 39000 - Undergraduate Special Problems (Revenue Management)
- HTM 39100 - Specialty Food Service and Catering
- HTM 41900 - Senior Seminar in Hospitality and Tourism Management
- HTM 44200 - Fraud Examination for Hospitality Managers
- FN 10500 - Nutrition in the 21st Century
- FN 12000 - Nutrition for a Healthy Lifestyle
- FN 12100 - Vegetarian Nutrition
- FN 20800 - Nutrition in Women's Health
- FN 26000 - Child Nutrition
- FN 26100 - Nutrition for Health, Fitness, and Sports
- FN 32200 - Community Nutrition & Health Promotion Entrepreneurship
- FN 31500 - Fundamentals of Nutrition
- FN 33000 - Diet Selection and Planning
- FN 36000 - Nutrition for the Aging
- FN 39000 - Independent Undergraduate Research
- FN 59000 - Special Problems in Nutrition

MA/SCI Elective (3 Credits)

Any Math or Statistics course or any Natural Science course.

Social Science Elective (3 Credits)

Free Electives (15 Credits)

Any (5) elective courses

Total 129 Credits Required

Hospitality and Tourism Management, Food and Beverage, BS

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (6 Credits)

- FN 30300 - Essentials of Nutrition and any Natural Science course w/ Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (6 Credits)

- SOC 10000 - Introductory Sociology

- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (1 Credit)

- HTM 10100 - Hospitality and Tourism Student Seminar

Major Core (77 Credits)

- HTM 10000 - Introduction to the Hospitality and Tourism Industry
- HTM 19100 - Sanitation and Health in Foodservice, Lodging, and Tourism
- FN 20300 - Foods Selection and Preparation
- HTM 35200 - International Cuisine
- HTM 14100 - Financial Accounting for the Service Industries
- HTM 18100 - Lodging Management
- HTM 39200 - Classical Cuisine
- HTM 34100 - Cost Controls in Foodservice and Lodging
- ECON 21000 - Principles of Economics
- HTM 36000 - Introduction to Baking Management
- HTM 21200 - Organization and Management in the Hospitality and Tourism Industry
- HTM 23100 - Hospitality and Tourism Marketing
- HTM 29100 - Quantity Food Production and Service
- HTM 37100 - Introduction to Tourism
- HTM 24100 - Managerial Accounting and Financial Management in Hospitality Operations
- HTM 31100 - Procurement Management for Foodservice
- HTM 31200 - Human Resources Management for the Service Industries
- HTM 32200 - Hospitality Facilities Management
- ENGL 42000 - Business Writing
- HTM 41100 - Hospitality and Tourism Law
- HTM 49100 - Beverage Management
- HTM 49900 - Feasibility Studies and Business Development in Hospitality and Tourism
- HTM 39100 - Specialty Food Service and Catering
- HTM 39300 - Advanced Foodservice Techniques
- HTM 30100 - Hospitality and Tourism Industry Practice
- HTM 49200 - Advanced Foodservice Management
- SPAN 10600 - Spanish for Business I
- HTM 30200 - Hospitality and Tourism Industry Internship

Other Required Courses (21 Credits)

Food and Beverage Elective (3 Credits)

- FN 30100 - Nutrition and the Culinary Arts
- HTM 32300 - Food Service Layout and Design

- HTM 38500 - Educational Study Cruise
- HTM 42000 - Event Management

MA/SCI Elective (3 Credits)

Any Math or Statistics course or any Natural Science course.

Social Science Elective (3 Credits)

Free Electives (12 Credits)

Choose (4) elective courses

Total 129 Credits Required

Human Development and Family Studies, Early Childhood, BA

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- other Gen Ed Technology

Humanities (3 Credits)

Any 10000 level History course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- FN 30300 - Essentials of Nutrition

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (63 Credits)

- HDFS 10100 - Working with Parents
- HDFS 21600 - Introduction to Early Childhood Education
- BHS 20100 - Statistical Methods for the Behavioral Sciences
- HDFS 21000 - Introduction to Human Development
- HDFS 21700 - Issues in Early Childhood Education
- PSY 36100 - Human Development I: Infancy and Childhood
- HDFS 30800 - Language and Literature in Early Childhood
- HDFS 20500 - Introduction to Family Dynamics
- SOC 35000 - Social Psychology of Marriage
- SOC 38300 - Introduction to Research Methods in Sociology
- HDFS 22800 - Developmental Infant and Toddler Care
- HDFS 31001 - Math, Science, and Social Studies in Early Childhood
- PSY 34400 - Human Sexuality

- HDFS 34000 - Teaching Very Young Children With Special Needs
- HDFS 43101 - Techniques of Human Assessment
- POL 34601 - Family Law
- HDFS 42100 - Children's Social Development
- HDFS 35400 - Practicum in Early Childhood I
- HDFS 45200 - Family Resource Management
- HDFS 45501 - Practicum in Early Childhood II
or
- HDFS 45601 - Practicum With Infants and Toddlers
- HDFS 46200 - Ethics and Professional Development in Family Life Education

Other Required Courses (26 Credits)

- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course except PHIL 15000.

Literature (3 Credits)

Any English Lit course

Free Elective (2 Credits)

Total 120 Credits Required

Human Development and Family Studies, Individual and Family Services, BA

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- other Gen Ed Technology

Humanities (3 Credits)

Any 10000 level History course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

- FN 30300 - Essentials of Nutrition
or
- non-lab Science

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (63 Credits)

- HDFS 10100 - Working with Parents
- HDFS 21000 - Introduction to Human Development
- BHS 20100 - Statistical Methods for the Behavioral Sciences
- PSY 36100 - Human Development I: Infancy and Childhood
- SOC 22000 - Social Problems
- HDFS 20500 - Introduction to Family Dynamics
- PSY 36200 - Human Development II Adolescence
- SOC 26100 - Basic Helping Skills for Human Services
- SOC 30600 - Methods in Human Services
- SOC 35000 - Social Psychology of Marriage
- COM 21400 - Comparative Theories of Interpersonal Communication
- SOC 36400 - Child and Family Welfare
- SOC 30700 - Field Experience in Human Services
- SOC 38300 - Introduction to Research Methods in Sociology
- POL 34601 - Family Law
- HDFS 41300 - Diversity in Families
- HDFS 45200 - Family Resource Management
- PSY 34400 - Human Sexuality
- HDFS 46200 - Ethics and Professional Development in Family Life Education

Guided Elective (3 Credits)

Choose from:

- PSY 35500 - Child Abuse and Neglect
- SOC 36100 - The Institution of Social Welfare
- SOC 43101
- SOC 44000 - Sociology of Health and Illness
- HDFS 43101 - Techniques of Human Assessment

- HDFS 42100 - Children's Social Development

Other Required Courses (26 Credits)

- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course except PHIL 15000.

Literature (3 Credits)

Any English Lit course

Free Elective (2 Credits)

Total 120 Credits Required

Human Resources, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or higher

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off the Core list, except for FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Supplemental Core (9 Credits)

- BUSM 22500 - Fundamental Managerial Statistics
or
- STAT 30100 - Elementary Statistical Methods
- BUSM 34400 - Business Ethics
or
- PHIL 32400 - Ethics for the Professions
- BUSM 32000 - Business Communication

Business Core (41 Credits)

- BUSM 10100 - Introduction to Business
- ACC 20000 - Introductory Accounting
- ACC 20100 - Introductory Management Accounting
- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics
- FIN 31000 - Financial Management
- MKG 22400 - Principles of Marketing
- OBHR 33000 - Introduction to Organizational Behavior
- BUSM 35400 - Legal Foundations of Business I
- ISM 21100 - Principles of Information Systems
or
- CNIT 12700 - Microcomputer Spreadsheet Applications
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
or
- BUSM 40100 - Global Business
- BUSM 45000 - Strategic Management: Capstone
- BUSM 20000 - Second Year Seminar in Business
- BUSM 30000 - Third Year Seminar in Business

Major Core (30 Credits)

- OBHR 43100 - Human Resources Management
- OBHR 43000 - Labor Relations
- OBHR 43400 - Benefits Administration

- OBHR 43300 - Staffing Organizations
- OBHR 42600 - Training and Managerial Development

OBHR Electives (9 Credits)

OBHR 43100 is a pre-requisite for the courses listed in this note.

Choose any (3) courses from:

- OBHR 42700 - Occupational Safety and Health
- OBHR 43500 - Compensation Management
- OBHR 43600 - Collective Bargaining
- OBHR 43900 - Employment Law
- OBHR 44400 - Leadership
- OBHR 44800 - Human Resources Information Systems
- OBHR 49000 - Problems in Organizational Behavior

Business Electives, 300 Level + (6 Credits)

Any (2) College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Other Required Courses (9 Credits)

Free Electives (9 Credits)

Any (3) course 10000 level or higher **except for** CHM 10000, GNS 29000, MA 11100, and MA 11500

Total 120 Credits Required

Effective Fall 2016, newly admitted students or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science in Business with a major in Human Resources." Formerly, this degree option was known as "Bachelor of Science with a major Human Resources" at the North Central campus.

Information Systems, Computer Information System, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics
- PHIL 32400 - Ethics for the Professions
or
- BUSM 34400 - Business Ethics
- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (36 Credits)

- CIS 23000 - Data Communications
- CIS 16600 - Introduction to Programming
- CIS 25300 - Applied Database Techniques
- CIS 24100 - Foundations of Web Design and Development
- CIS 35300 - Advanced Database Methods
- CIS 26300 - Java Programming
- CIS 34100 - Web Development II
- ISM 30700 - System Analysis and Design
- CIS 46300 - Introduction To Mobile Programming
- ISM 48600 - Project Management
- CIS 42600 - Applications Software Development Project
- ISM 41600 - Information Systems Control and Audit

Other Required Courses (3 Credits)

Free Electives (3 Credits)

Any course 10000 level or higher except for CHM 10000, GNS 29000, and MA 11500.

Total 120 Credits Required

Information Systems, Management Information Systems, BSB

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- MA 15910 - Introduction to Calculus

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (50 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- ECON 25200 - Macroeconomics

- PHIL 32400 - Ethics for the Professions
or
- BUSM 34400 - Business Ethics

- ACC 20100 - Introductory Management Accounting
- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (24 Credits)

- CIS 25300 - Applied Database Techniques
- CIS 24100 - Foundations of Web Design and Development
- ISM 32000 - Advanced Spreadsheet Applications for Business
- ISM 30700 - System Analysis and Design
- ISM 31800 - E-Business Strategy
- ISM 48600 - Project Management
- ISM 48700 - Knowledge and Decision Management
- ISM 48901 - Enterprise Resource Planning Implementation

Other Required Courses (15 Credits)

Free Electives (9 Credits)

Any (3) courses 10000 level or higher except for CHM 10000, GNS 29000, MA 11100, and MA 11500.

Electives (6 Credits)

Select 2 courses from the list below:

Major Electives

- ISM 32500 - Logistics
- ISM 40800 - Data Mining
- ISM 41600 - Information Systems Control and Audit
- ISM 41800 - Knowledge Management and Business Intelligence
- ISM 48300 - Business Data Communications
- or CIS courses approved by the Department Head.

Business Analytics Major

- BIZA 32500 - Applied Business Statistics
- BIZA 49000 - Senior Project

Business Elective

Any College of Business course 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Total 120 Credits Required

Interdisciplinary Engineering, BSE

The interdisciplinary engineering option provides an opportunity for students whose interests and talents, while oriented toward engineering and science, do not coincide with the plans of study of the traditional engineering disciplines and who do not need an ABET-accredited degree. It provides an excellent undergraduate foundation for graduate school in non-engineering fields such as management, medicine, and law, or to begin careers that may lead to administrative or management positions in technological, engineering, or manufacturing operations. The program also prepares students for careers in large non-technological organizations such as financial institutions, which may require skills generally associated with both engineering and business. The program provides opportunities to tailor the large number of technical electives to the students' particular needs. The program is not ABET accredited.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- PHYS 15200 - Mechanics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- ENGR 18600 - First Year Seminar for Engineers

Major Core (63 Credits)

- ENGR 19000 - Elementary Engineering Design
- MA 16400 - Integrated Calculus Analysis Geometry II
- ME 11500 - Engineering Drawing I
- MA 26100 - Multivariate Calculus
- PHYS 26100 - Electricity and Optics
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques

- CE 27100 - Basic Mechanics I
or
- ME 27100 - Basic Mechanics I (Statics)

- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- ECE 20200 - Linear Circuit Analysis II

- CE 27500 - Basic Mechanics II (Dynamics)
or
- ME 27500 - Basic Mechanics II (Dynamics)

- ME 30500 - General Thermodynamics I

- ECE 30100 - Signals and Systems
or
- ME 32500 - Dynamics of Physical Systems

- ECE 31200 - Engineering Economics and Project Management
- ECE 15200 - Programming for Engineers

- ECE 38400 - Linear Control Systems
or
- ME 48500 - Linear Control Systems

- ECE 23300 - Microcomputers in Engineering
- MSE 20000 - Materials Science

- CE 42900 - Senior Engineering Design I
or
- ECE 42900 - Senior Engineering Design I
or

- ME 42900 - Senior Engineering Design I
- CE 43900 - Senior Engineering Design II
or
- ECE 43900 - Senior Engineering Design II
or
- ME 43900 - Senior Engineering Design II

Other Required Courses (25 Credits)

Technical Electives (22 Credits)

Technical electives are selected by students in consultation with their advisor. Choose (7).

Humanities or Social Sciences Elective (3 Credits)

Total 120 Credits Required

Leadership, BS

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- ECON 25200 - Macroeconomics

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (47 Credits)

- BUSM 10100 - Introduction to Business
- ECON 25100 - Microeconomics
- BUSM 20000 - Second Year Seminar in Business
- ACC 20000 - Introductory Accounting
- ISM 21100 - Principles of Information Systems
- PHIL 32400 - Ethics for the Professions
- ACC 20100 - Introductory Management Accounting

- STAT 30100 - Elementary Statistical Methods
or

- BUSM 22500 - Fundamental Managerial Statistics
- BUSM 35400 - Legal Foundations of Business I
- OBHR 33000 - Introduction to Organizational Behavior
- MKG 22400 - Principles of Marketing
- BUSM 30000 - Third Year Seminar in Business
- FIN 31000 - Financial Management
- BUSM 36000 - Production and Operations Management
- BUSM 38000 - International Business
- BUSM 32000 - Business Communication
- BUSM 45000 - Strategic Management: Capstone

Major Core (18 Credits)

- OBHR 42300 - Negotiations
- OBHR 43800 - Managing Workforce Diversity
- OBHR 44100 - Introduction to Organizational Change and Development
- OBHR 44400 - Leadership
- OBHR 44500 - Team Dynamics
- OBHR 49900 - Undergraduate Research in Organizational Behavior

Other Required Courses (24 Credits)

Free Electives (12 Credits)

Any (4) courses 10000 level or higher except for CHM 10000, GNS 29000, MA 11100, and MA 11500.

Business Electives (6 Credits)

Any (2) College of Business courses 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

OBHR Electives (6 Credits)

any (2) OBHR courses which is higher than 30000.

Total 120 Credits Required

Effective Fall 2016, newly admitted students at the North Central campus or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science, major in Leadership." Formerly, this degree option was known as "Bachelor of Science with a major in Organizational Leadership and Supervision" at the North Central campus.

Liberal Studies, BLS

The Bachelor of Liberal Studies, offered through the College of Humanities, Education, and Social Sciences, allows students the opportunity to tailor their primary and secondary concentrations to meet their specific needs, whether these needs involve promotions at current jobs, new careers, graduate study, or personal fulfillment.

Areas of concentration can include but are not limited to technology, pre-law, pre-medicine, pre-physical therapy, behavioral sciences, communication, business, organizational leadership and supervision, and natural sciences. Students may also transfer credits from other accredited institutions toward the Bachelor of Liberal Studies degree requirements, making the plan of study even more unique. Students may transfer, for example, courses in paralegal studies, criminal justice, interior design, medical assisting – just to name a few.

Degree Requirements

PNW General Education Core (30 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 12301 - Mathematical Ideas or higher
or
- STAT 11300 - Statistics and Society

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- CNIT 10700 - Computers and Software Packages

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology
or
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Select a course from any Core list except FYE

First-Year Experience (FYE) (3 Credits)

- GS 19100 - First-Year Experience I

Supplemental Core (21 Credits)

Foreign Language (6 Credits)

U.S. Tradition (3 Credits)

Global Cultures (3 Credits)

Literature and the Arts (3 Credits)

Racial and Ethnic Diversity (3 Credits)

Gender Issues (3 Credits)

Liberal Studies Gateway Course (3 Credits)

- IDIS 23500 - Introduction to Great Issues

Primary Area of Study (30 Credits)

A minimum of 30 credits is required (ordinarily distributed among three or more disciplines) taken beyond core requirements. The primary area of study must be agreed upon by the student and the academic advisor. The primary areas of study include but are not limited to:

- Humanities: creative arts, foreign literature, literature, philosophy, history
- Social and behavioral sciences: economics, political science, psychology, sociology
- Natural science and mathematics: biology, chemistry, mathematics, physics
- Various technology and interdisciplinary areas

Secondary Area of Study (21 Credits)

A minimum of 21 credits is required (ordinarily distributed among two or more disciplines) taken beyond the core. The secondary area must be agreed upon by the student and the academic advisor.

Liberal Studies Capstone Courses (6 Credits)

- IDIS 43500 - Great Issues I
- IDIS 43600 - Great Issues II

Free Electives (9 Credits)

Total 120 Credits Required

Other Requirements and Limitations:

- Students must have a completed plan of study on file with the Department of History and Philosophy by their junior year. Otherwise, on-time graduation cannot be assured.
- A minimum of 30 credits must be taken at the 300 level or above
- A minimum of 30 credits must be taken at the North Central campus
- A minimum of 32 credits must be taken at a campus of Purdue University at the junior level or above
- A maximum of eight courses from any one discipline may be counted toward the fulfillment of the degree requirement

Management, BSB

Purdue Northwest offers a Bachelor of Science degree in Business that has been designed to help students develop a broad perspective of the business organization and the environment in which it operates. A distinctive and flexible general education component establishes a solid foundation that facilitates your ability to respond to changing employment opportunities even after you graduate. Through a series of core courses and with the guidance of experienced faculty, you'll be introduced to the broad range of knowledge and skills needed to begin or advance a career in a wide range of enterprises.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or higher

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- STAT 30100 - Elementary Statistical Methods (NC)
or
- BUSM 22500 - Fundamental Managerial Statistics (Cal)

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (41 Credits)

- BUSM 10100 - Introduction to Business
- ACC 20000 - Introductory Accounting
- ACC 20100 - Introductory Management Accounting
- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics
- FIN 31000 - Financial Management
- MKG 22400 - Principles of Marketing

- OBHR 33000 - Introduction to Organizational Behavior
or
- OBHR 22100 - Principles of Management

- BUSM 35400 - Legal Foundations of Business I

- ISM 21100 - Principles of Information Systems
or
- CNIT 12700 - Microcomputer Spreadsheet Applications

- BUSM 36000 - Production and Operations Management

- BUSM 38000 - International Business
or
- BUSM 40100 - Global Business

- BUSM 45000 - Strategic Management: Capstone

- BUSM 20000 - Second Year Seminar in Business
and
- BUSM 30000 - Third Year Seminar in Business

Major Core (30 Credits)

- BUSM 35100 - Organization Theory and Design
- OBHR 43100 - Human Resources Management
- ISM 31100 - Management Information Systems
- BUSM 35300 - Organization and Environment
- BUSM 33300 - Total Quality Management
- ECON 41900 - Managerial Economics
- ISM 32500 - Logistics
- BUSM 41100 - Entrepreneurship and Employee Innovation

Business Electives (6 Credits)

Any (2) College of Business courses 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Other Required Courses (18 Credits)

- BUSM 34400 - Business Ethics
or
- PHIL 32400 - Ethics for the Professions
- BUSM 32000 - Business Communication

Free Electives (12 Credits)

Any (4) courses 10000 level or higher except for CHM 10000, GNS 29000, MA 11100 and MA 11500

Total 120 Credits Required

Effective Fall 2016, newly admitted students at the North Central campus or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science in Business with a major in Management." Formerly, this degree option was known as "Bachelor of Science with a major in Business, and a concentration in Management" at the North Central campus.

Marketing, BSB

Purdue Northwest offers a Bachelor of Science degree in Business that has been designed to help students develop a broad perspective of the business organization and the environment in which it operates. A distinctive and flexible general education component establishes a solid foundation that facilitates your ability to respond to changing employment opportunities even after you graduate. Through a series of core courses and with the guidance of experienced faculty, you'll be introduced to the broad range of knowledge and skills needed to begin or advance a career in a wide range of enterprises.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra or higher

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

- ISM 10200 - Computer Utilization for Management

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- STAT 30100 - Elementary Statistical Methods (NC)
or
- BUSM 22500 - Fundamental Managerial Statistics (Cal)

General Ed Elective (3 Credits)

Select a course off course list, except FYE

First-Year Experience (FYE) (1 Credit)

- BUSM 10000 - Freshman Seminar in Business

Business Core (41 Credits)

- BUSM 10100 - Introduction to Business
- ACC 20000 - Introductory Accounting
- ACC 20100 - Introductory Management Accounting

- ECON 25100 - Microeconomics
- ECON 25200 - Macroeconomics
- FIN 31000 - Financial Management
- MKG 22400 - Principles of Marketing

- OBHR 33000 - Introduction to Organizational Behavior
or
- OBHR 22100 - Principles of Management

- BUSM 35400 - Legal Foundations of Business I

- ISM 21100 - Principles of Information Systems
or
- CNIT 12700 - Microcomputer Spreadsheet Applications

- BUSM 36000 - Production and Operations Management

- BUSM 38000 - International Business
or
- BUSM 40100 - Global Business

- BUSM 45000 - Strategic Management: Capstone

- BUSM 20000 - Second Year Seminar in Business
and
- BUSM 30000 - Third Year Seminar in Business

Major Core (30 Credits)

- MKG 43300 - Personal Selling
- MKG 42400 - Consumer Behavior
- MKG 42500 - Marketing Research
- MKG 42600 - Marketing Channels
- MKG 43000 - Advertising Campaigns I

- MKG 48000 - Marketing Strategy
or
- MKG 42900 - Advertising Campaigns II

- MKG 42200 - International Marketing

Digital Marketing Elective (3 Credits)

May select one from the following:

- MKG 42000 - Digital Marketing Campaigns
- MKG 42800 - Advertising Management

- MKG 33400 Credit Hours: 3.00
- MKG 37500 Credit Hours: 3.00
- MKG 43400 - Digital Marketing Strategy

Business Electives (6 Credits)

Any (2) College of Business courses 30000 level or higher. College of Business subject codes include: ACC, BIZA, BUSM, CIS, ENTR, FIN, ISM, MKG, and OBHR.

Other Required Courses (18 Credits)

- BUSM 34400 - Business Ethics
or
- PHIL 32400 - Ethics for the Professions
- BUSM 32000 - Business Communication

Free Electives (12 Credits)

Any (4) courses 10000 level or higher **except for** CHM 10000, GNS 29000, MA 11100, and MA 11500

Total 120 Credits Required

Effective Fall 2016, newly admitted students at the North Central campus or students initiating a Change of Degree or Major at either location (Hammond or Westville) will be pursuing the degree "Bachelor of Science in Business with a major in Marketing." Formerly, this degree option was known as "Bachelor of Science with a major in Business, and a concentration in Marketing" at the North Central campus.

Mathematics, BS

This program provides students the opportunity to work with peers and talented faculty on research projects that fits their talents and interest. This includes pure and applied mathematics and statistics, and joint projects with peers and colleagues in the engineering and science disciplines.

Degree Requirements

PNW General Education Core (33-35 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (6-8 Credits)

Two Science courses with Lab

Technology (3 Credits)

- CS 20600 - Computer Algebra and Programming

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (3 Credits)

Select from any Core list except FYE

First-Year Experience (FYE) (1 Credit)

- MA 10000 - An Introduction to Mathematical Sciences

Major Core (30 Credits)

- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- CS 20600 - Computer Algebra and Programming
- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- MA 37700 - Computational Mathematics I
- MA 34800 - Discrete Mathematics
- STAT 34500 - Statistics

- MA 33000 - Concepts in Geometry

Other Required Courses (54-57 Credits)

Math Major Electives (9 Credits)

Three courses must be selected from an Approved List of 30000 / 40000 level mathematics and statistics courses. Currently the approved list of Mathematics Major Electives consists of:

- MA 37800 - Computational Mathematics II
- MA 31500 - Introduction to Abstract Mathematics - Also, is a prerequisite for MA 44600 and MA 45300.
- MA 44600 - Introduction to Real Analysis
- MA 45300 - Elements of Algebra I
- MA 47200 - Introduction to Applied Mathematics
- STAT 40001 - Statistical Computing
- STAT 43000 - Applied Statistics

Science Elective (3-4 Credits)

Students may choose from natural science courses in consultation with academic advisor.

Selected Area Electives (18 Credits)

Mathematics majors must choose an 18 credit hour Selected Area (which may be a Minor). At least 3 courses in the Selected Area must be beyond the introductory level (20000 level or above).

Approved Electives (18 Credits)

Students must see their academic advisor for acceptable courses to fulfill this requirement. These courses are used to support career development, strengthening their Selected Area, etc.

Experiential Learning or Other Approved Electives (6-8 Credits)

Students may choose from the list of Experiential Learning Courses or other Approved Electives. Experiential Learning Courses may include undergraduate research approved by the department and/or Undergraduate Teaching Assistantships (UTA)

Total 120 Credits Required

Mathematics, Secondary Teaching, BS

Students in this concentration earn a degree in Mathematics. The Secondary Education program is delivered collaboratively with Purdue University Northwest's School of Education and designed for those interested in teaching in middle and high schools.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (4 Credits)

Any Gen Ed Science with Lab

Technology (3 Credits)

- CS 20600 - Computer Algebra and Programming

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (3 Credits)

Select from any Gen Ed Core list except FYE

First-Year Experience (FYE) (1 Credit)

- MA 10000 - An Introduction to Mathematical Sciences

Major Core (69 Credits)

- EDFA 20000 - History and Philosophy of Education
- MA 16400 - Integrated Calculus Analysis Geometry II
- EDPS 22000 - Psychology of Learning
- MA 26100 - Multivariate Calculus
- EDPS 26000 - Introduction to Special Education
- MA 26400 - Differential Equations
- MA 26500 - Linear Algebra
- EDCI 35500 - Teaching and Learning K-12 Classroom
- MA 37700 - Computational Mathematics I
- MA 33000 - Concepts in Geometry
- MA 34800 - Discrete Mathematics
- EDCI 36600 - Use of Assessment in the K-12 Classroom
- MA 31500 - Introduction to Abstract Mathematics
- STAT 34500 - Statistics
- EDPS 37000 - Teaching Students with Diverse Learning Needs in K-12 Class
- MA 45300 - Elements of Algebra I
- EDCI 34400 - Strategies of Mathematics Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49700 - Supervised Teaching

Other Required Courses (20 Credits)

Science Electives (6-8 Credits)

Choose any two Science courses, one must have a Lab component.

Mathematics Major Elective (3 Credits)

MA 31500 is prerequisite for MA 44600 and MA 45300. Mathematics majors in the Secondary Teaching Concentration must take MA 31500 and MA 45300 to prepare for the state licensure exam.

- MA 37800 - Computational Mathematics II
- MA 31500 - Introduction to Abstract Mathematics
- MA 44600 - Introduction to Real Analysis
- MA 45300 - Elements of Algebra I
- MA 47200 - Introduction to Applied Mathematics
- STAT 40001 - Statistical Computing

Electives (9-12 Credits)

See an academic advisor for acceptable courses to fulfill this requirement.

Total 120 Credits Required

Mechanical Engineering Technology, BS

The Bachelor of Science degree program in prepares graduates for technical positions in manufacturing and production industries. Students with a degree in mechanical engineering technology fill a wide variety of industrial positions in product development, manufacturing, production, supervision, and plant operations. Many graduates continue their careers into high level management positions.

The primary goal of the curriculum is to provide graduates with a solid technical foundation which will enable them to adapt and grow into a wide variety of employment opportunities. Students will complete a Senior Design Project, which is a one-year capstone individual/team project that provides the opportunity to pursue an idea from conception to design, then execute into a demonstrable project.

The mechanical engineering technology program is accredited by the Engineering Technology Accreditation Commission of ABET, Inc. <http://www.abet.org>.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 14700 - Algebra and Trigonometry for Technology

Natural Sciences (8 Credits)

- PHYS 22000 - General Physics
- PHYS 22100 - General Physics

Technology (1 Credit)

- MET 16100 - Introduction to Engineering Technology

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- MET 10000 - Production Drawing and Computer-Aided Design

Major Core (75 Credits)

- MET 24200 - Manufacturing Processes II
- MA 14800 - Algebra and Trigonometry for Technology II
- MET 11800 - Applied Mechanics: Statics
- MET 14100 - Materials I
- MET 16200 - Computational Analysis Tools in MET
- MET 10100 - Introduction to Parametric Modeling
- MA 16019 - Applied Calculus I for Technology
- MET 21100 - Applied Strength of Materials
- MET 21300 - Dynamics
- MET 10200 - Production Design and Specifications
- MET 23000 - Fluid Power
- MA 16021 - Applied Calculus II and Differential Equations
- MET 21500 - Machine Elements Credit Hours: 3.00
- ECET 21401 - Introduction to Electricity and Electronics
- MET 32900 - Applied Heat Transfer
- IET 30800 - Engineering Project Management and Economic Analysis
- STAT 30100 - Elementary Statistical Methods
- IET 35200 - Operations Management
- MET 38200 - Controls and Instrumentation for Automation
- OLS 30000 - Safety and Health for Engineering Technologies
- MET 32500 - Applied Thermodynamics I
- MET 46100 - Computer Integrated Design and Manufacturing
- MET 31300 - Applied Fluid Mechanics
- MET 49500 - Senior Project Survey
- MET 49700 - Senior Project

Other Required Courses (15 Credits)

MET/IET Electives (6 Credits)

Any (2) 30000 level or higher MET or IET course with advisor approval.

Tech/CHM Elective (3 Credits)

Suggest a Chemistry (CHM) course or other course with advisor approval.

COM/OLS Elective (3 Credits)

Any COM or OLS course 30000 level and above

Computer Programming Course (3 Credits)

Any programming course from ECET or CIT with advisor approval.

Total 120 Credits Required

Mechanical Engineering, BSME

At Purdue University Northwest, mechanical engineering is a four-year program of full-time study leading to a degree of Bachelor of Science in Mechanical Engineering (BSME). The course of study is preparation for a career in a constantly changing field and provides a basis for lifelong learning. Students may pursue a general program, or may choose a specialization in areas such as Thermal and Fluid Sciences, Solid Mechanics, or Mechatronics (the later leading to a minor). The BSME degree is accredited by the Engineering Accreditation Commission of ABET. The Mechanical Engineering curriculum provides a broad education in the fundamentals of Mechanical Engineering. Students may pursue a general program or may choose a specialization in areas such as Thermal and Fluid Sciences, solid Mechanics, or Mechatronics.

Degree Requirements

PNW General Education Core (32 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II
or
- COM 30700 - Written and Oral Communication for Engineers if available
or
- ENGL 30700 - Written and Oral Communication for Engineers if available

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (4 Credits)

- CHM 11500 - General Chemistry

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers

Humanities (3 Credits)

- PHIL 11100 - Ethics
or
- PHIL 32400 - Ethics for the Professions if available

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- ENGR 18600 - First Year Seminar for Engineers

Additional Credits (4 Credits)

- PHYS 15200 - Mechanics

Major Core (90 Credits)

- ENGR 19000 - Elementary Engineering Design
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques

- ME 11500 - Engineering Drawing I
- ME 11600 - Engineering Drawing II
- ME 27100 - Basic Mechanics I (Statics)
- CE 27300 - Mechanics of Materials
- ME 27500 - Basic Mechanics II (Dynamics)
- ME 30500 - General Thermodynamics I
- ME 31100 - Engineering Economics and Project Management
- ME 31200 - Fluid Mechanics
- ME 31300 - Fluid Mechanics Laboratory
- ME 32000 - Kinematic Analysis and Design
- ME 32500 - Dynamics of Physical Systems
- ME 34500 - Mechanical Engineering Experimentation
- ME 41600 - Heat Transfer
- ME 42900 - Senior Engineering Design I
- ME 43900 - Senior Engineering Design II
- ME 41700 - Heat Transfer Laboratory
- ME 46100 - Machine Design I
- MSE 20000 - Materials Science
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- MA 26400 - Differential Equations
- PHYS 26100 - Electricity and Optics

Mechanical Engineering Electives (12 Credits)

Any four of the following:

- ME 30600 - General Thermodynamics II
- ME 40400 - Finite Element Analysis
- ME 42600 - Heating and Air Conditioning Analysis
- ME 48500 - Linear Control Systems
- ME 48600 - Introduction to Manufacturing Engineering
- MSE 34400 - Materials in Engineering

Engineering Elective (3 Credits)

- Any Engineering (CE, ECE, ME, or MSE) course 30000 level or above.
- ECE 20200 - Linear Circuit Analysis II
- Any course 48900 or above must receive advisor approval.

Any Humanities or Social Science Course (3 Credits)

Total 120 Credits Required

Mechatronics Engineering Technology, BS

The Mechatronics Engineering Technology program at Purdue University Northwest is a Synergistic integration of Mechanical, Electrical, Control, Hydraulics, High Speed Automation, Robotics, Networking, and Computer Systems for Industry. Students will learn automation and industrial control, integration of robotics in advanced manufacturing, electrical power and machinery, computer aided design, production design and specification required for the closely aligned manufacturing and packaging industries. Industrial collaboration and internship reinforces course work and provides real world experience, an invaluable credential sought by industry. Students will complete a Senior Design Project, which is a one-year capstone individual/team project that provides the opportunity to pursue an idea from conception to design, then execute into a demonstrable project.

The Mechatronics Engineering Technology Bachelor of Science program is accredited by the Engineering Technology Accreditation Commission of ABET, Inc. <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 15900 - Precalculus

Natural Sciences (4 Credits)

- PHYS 22000 - General Physics

Technology (3 Credits)

- MET 10000 - Production Drawing and Computer-Aided Design

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- ET 10000 - Introduction to Engineering Technology

Major Core (84 Credits)

- ECET 10900 - Digital Fundamentals
- MET 11800 - Applied Mechanics: Statics
- MET 24200 - Manufacturing Processes II
- ECET 10201 - Direct Current Circuits and Components
- MA 16019 - Applied Calculus I for Technology
- MET 21100 - Applied Strength of Materials
- ECET 15201 - Alternating Current Circuits and Analysis
- MET 21300 - Dynamics
- MET 23000 - Fluid Power
- ECET 21201 - Electrical Power and Motors
- MCET 21700 - Introduction to Process Control
- ECET 26200 - Programmable Logic Controllers
- MA 16021 - Applied Calculus II and Differential Equations
- MET 14100 - Materials I
- MET 21501 - Applied Machine Elements
- MCET 47200 - Programmable Logic Controllers for Advanced Mechatronics Applications
- MET 42000 - Machine Design
- OLS 30000 - Safety and Health for Engineering Technologies
- IET 30800 - Engineering Project Management and Economic Analysis
- MCET 33000 - Industrial Programming and Networking
- ET 15100 - Career Planning
- OLS 47400 - Conference Leadership
- ECET 36200 - Process Control Instrumentation
- ET 49500 - Senior Project Survey
- MCET 46200 - Application of Computers in Process Control
- OLS 35000 - Creativity in Business and Industry
- ET 49700 - Senior Project
- MCET 48200 - Application of Industrial Robots for Advanced Manufacturing

Other Required Courses (6 Credits)

Concentration Electives (6 Credits)

Choose 2 of the following:

- MET 10200 - Production Design and Specifications
- MET 30500 - Computer-Aided Design With Applications
- MET 31300 - Applied Fluid Mechanics
- MET 31500 - Applied Mechanism Kinematics and Dynamics
- MET 32500 - Applied Thermodynamics I
- MET 32900 - Applied Heat Transfer
- MET 34700 - Programming of Automation Systems
- MET 42100 - Air Conditioning and Refrigeration
- MET 46100 - Computer Integrated Design and Manufacturing (E X L)
- ECET 15400 - Analog Electronics I
- ECET 15900 - Digital Applications
- ECET 20900 - Introduction to Microcontrollers
- ECET 21000 - Structured C++ Programming for Electromechanical Systems
- ECET 31200 - Power Electronics
- ECET 45600 - Operating System with Embedded System Design
- IET 26400 - Fundamentals of Lean Work Design
- IET 27300 - Principles of Quality and Process Improvement
- IET 35500 - Statistical Process Control I
- IET 41100 - Applications of Lean and Six Sigma Methodologies
- or other course approved by advisor.

Total 120 Credits Required

Medical Laboratory Science, BS

(Formerly, Medical Technology)

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 16031 - Calculus I for Life Sciences

Natural Sciences (8 Credits)

- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- BIOL 10700 - Freshman Experience in Biological Sciences

Major Core (36 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16032 - Calculus II for Life Sciences
- BIOL 31600 - Basic Microbiology
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- BIOL 24300 - Introductory Cell Biology
- STAT 33001 - Biostatistics
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory

- BIOL 24400 - Genetics
- PHYS 22000 - General Physics
- PHYS 22100 - General Physics
- CHM 33300 - Principles of Biochemistry
- BIOL 56100 - Immunology
- BIOL 42600 - Senior Capstone
- BIOL 34200 - Biological Science Practicum

Other Required Courses (41 Credits)

Biology Elective (6 Credits)

Biology elective courses for Medical Technology majors range from 3 to 5 credits. Choose (2) courses from the following:

- BIOL 35700 - Introductory Animal Physiology - may be replaced by BIOL 21400. However, BIOL 21300, a prerequisite of BIOL 21400, is not counted as a biology elective to meet this requirement.
- BIOL 41800 - Drugs and Disease
- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques
- BIOL 51601 - Food Microbiology
- BIOL 53300 - Medical Microbiology
- BIOL 59500 - Special Assignments - Cell and Tissue Culture
- BIOL 59500 - Special Assignments - Virology
- or courses approved by the department.

Clinical Training (32 Credits)

Two semesters of Clinical Training are completed in one of the affiliated hospitals - St. Margaret Mercy Health Care Centers, North Campus (Hammond, IN), OSF Saint Francis Medical Center (Peoria, IL), or Hines VA Hospital (Hines, IL). Students must be eligible to work legally in US to participate in clinical training at the affiliated hospitals. For acceptance into a clinical program: overall 2.5 GPA and a minimum of 2.5 GPA in the sciences. Completion of prerequisite courses at Purdue University Northwest does not guarantee admission to an affiliated hospital program. Consult your advisor for application procedure.

Humanities or Social Science Elective (3 Credits)

Department of Biological Sciences accepts Humanity Elective courses with the following course subject codes: AD, COM, ENGL, ETHN, FLL, HIST, LAS, MUS, PHIL, WOST, and THTR. The Department accepts Social Sciences Elective courses with the following subject codes: ANTH, BHS, CDFS, COM, ECON, MGMT, POL, PSY, SOC, & WOST.

Total 120 Credits Required

Multidisciplinary Studies, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- other Gen Ed Technology

Humanities (3 Credits)

Any English Lit course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology
or
- ANTH 10500 - Cultural Anthropology

First-Year Experience (FYE) (3 Credits)

- GNS 10300 - Introduction to Higher Education

Major Core (90 Credits)

- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 11100 - Ethics
- PHIL 32400 - Ethics for the Professions

History (3 Credits)

- HIST 10300 - Introduction to the Medieval World
- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Political Science (3 Credits)

- POL 10100 - American Government and Politics
- or
- POL 13000 - Introduction to International Relations

Math or Science (6 Credits)

- Choose any MA (except MA 11500), STAT, SCI, BIOL, CHM, EAS, ASTR, or CIS course
or
- FN 30300 - Essentials of Nutrition

MDS Options 1 and 2 (36 Credits)

Courses are dependent upon the following Areas of Study (choose 2): American History, Business, Communication—International/Intercultural Studies, Media Studies, English Literature, English Writing-Writing for Interactive Media, English Writing-Writing for Publication, French, HDFS-Early Childhood, HDFS-Child & Family Services, HTM-Nutrition, Fitness & Health, HTM-Hospitality & Tourism, Law, Politics & Philosophy; Organizational Leadership, Philosophy, Political Science, Psychology, Sociology, Spanish (Heritage), Spanish (Non-Heritage), World History, and others as established.

Electives (18 Credits)

Any course 10000 level or higher

SUGR Course EXL (3 Credits)

Senior Undergraduate Research (SUGR) Course - E X L – See your academic advisor for appropriate course selection. IDIS 10001 must be paired with this course to be considered Experiential Learning.

Total 120 Credits Required

Multidisciplinary Studies, Fitness Management, BS

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (8 Credits)

- BIOL 21300 - Human Anatomy and Physiology I
- BIOL 21400 - Human Anatomy and Physiology II

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- SOC 10000 - Introductory Sociology
or
- PSY 12000 - Elementary Psychology

First-Year Experience (FYE) (1 Credit)

- HTM 10100 - Hospitality and Tourism Student Seminar

Major Core (83 Credits)

- HTM 10000 - Introduction to the Hospitality and Tourism Industry
- FN 26100 - Nutrition for Health, Fitness, and Sports
- CHM 11900 - General Chemistry
- HTM 23100 - Hospitality and Tourism Marketing
- FN 20300 - Foods Selection and Preparation
- FM 21900 - Issues and Problems in Health
- FN 10500 - Nutrition in the 21st Century
- FN 30300 - Essentials of Nutrition
- PSY 12000 - Elementary Psychology
or
- SOC 10000 - Introductory Sociology

- CDFS 21000 - Introduction to Human Development Credit Hours: 3.00
- FM 30100 - Recreation Leadership
- HTM 21200 - Organization and Management in the Hospitality and Tourism Industry
- ECON 21000 - Principles of Economics
- FM 26800 - Physiology of Exercise
- HTM 14100 - Financial Accounting for the Service Industries
- HTM 37100 - Introduction to Tourism
- HTM 24100 - Managerial Accounting and Financial Management in Hospitality Operations
- FM 30000 - Practicum in Health, Fitness and Nutrition
- HTM 31200 - Human Resources Management for the Service Industries
- FM 30200 - Anatomy and Kinesiology
- FM 31400 - Beginning Concepts of Group Exercise
- FM 41000 - Evaluation, Testing and Assessment of Exercise
- FM 47400 - Physiology of Exercise II
- FN 12000 - Nutrition for a Healthy Lifestyle
- FN 12100 - Vegetarian Nutrition
- FN 36000 - Nutrition for the Aging
- FN 42200 - Community Nutrition and Health Promotion Entrepreneurship
- FM 30500 - Practicum in Fitness Management
- ENGL 42000 - Business Writing
- FM 31300 - Beginning Concepts of Personal Training
- HTM 31500 - Club Management and Operations

Other Required Courses (7 Credits)

Individualized Wellness Strategies (4 Credits)

(1 CR) – these courses are repeatable for credit.

May select 4 from the following:

- FM 10100 - Cardiovascular Exercise Machines
- FM 10200 - Weight Training
- FM 10300 - Walking/Jogging
- FM 10400 - Physical Fitness
- FM 10500 - Yoga
- FM 10600 - Racquetball
- FM 10700 - Basic Self-Defense
- FM 10800 - Circuit Training
- FM 11200 - Aikido
- FM 11300 - Tai Chi
- FM 11400 - Pilates
- FM 11600 - Wing Chun
- FM 11700 - Latin Ballroom Dance Partner

- FM 11701 - Latin Ballroom Dance Experience
- FM 11702 - Advanced Weight Training
- FM 11703 - Jiu Jitsu
- FM 11704 - Zumba
- FM 39000 - Trx Suspension Training
- FM 39000 - Army Physical Training

Free Elective (3 Credits)

Total 120 Credits Required

Nursing, Accelerated Bachelor's Second Degree, BSN

Degree Requirements

Major Core (61 Credits)

- NUR 18200 - Conceptual and Theoretical Thinking in Nursing
- NUR 18800 - Foundations of Physical Assessment
- NUR 19200 - Foundations of Nursing
- NUR 19600 - Foundations of Psychosocial Nursing
- NUR 19700 - Practicum I
- NUR 28200 - Adult Nursing I
- NUR 28300 - Practicum II
- NUR 28600 - Mental Health Nursing
- NUR 29400 - Essential Pharmacotherapeutics for Nursing
- NUR 31700 - Nursing Care of Women Through the Lifespan
- NUR 31800 - Maternity Practicum
- NUR 35200 - Nursing Care of Older Adults
- NUR 36100 - Pediatric Nursing
- NUR 37200 - Pediatric Nursing Practicum
- NUR 39000 - Nursing Research
- NUR 39100 - Professional Ethics
- NUR 39200 - Adult Nursing II
- NUR 39300 - Practicum III
- NUR 41500 - Pathophysiology
- NUR 45200 - Quality and Safety in Professional Nursing Practice
- NUR 48500 - Community Health Nursing Practicum I
- NUR 48600 - Community Health Nursing
- NUR 48701 - Transitions into Professional Nursing Practice
- NUR 49800 - Capstone Course in Nursing

Total 120 Credits Required

Admission Pre-requisites for General Education Approved coursework: Human Anatomy & Physiology (8 credits); Microbiology (4 credits); Computer Information Technology (3 credits); Statistics (3 credits); Nutrition (3 credits); English Composition (6 credits); Behavioral Sciences (6 credits); Humanities (3 credits).

Distribution of credits: Pre-Requisite requirements (34 to 36 credits); Nursing core (61 credits); Previous Degree (23 to 25 credits).

Nursing, Professional Nursing, BSN

The BS Nursing Program prepares graduates for leadership roles and graduate study in nursing by providing a broad foundation in general studies, sciences and nursing. The graduate is prepared to synthesize theory and research based knowledge in provision of care to the client, family and community in a global society with flexibility to adapt to the changing nature of health care and health care roles, integrate care across multiple settings, and manage the interactions between and among components of the integrated networks of health care services.

Student Nurses begin their nursing education in the Nursing Resource Center where they learn basic nursing principles and procedures through classes and practice. Next door to the Nursing Resource Center is a Simulation Center, where students have the opportunity to practice skills using an advanced simulation model. The Nursing Media Lab is where students can gather for quiet study or to use the computers. Specialty software for nursing studies is available.

Degree Requirements

PNW General Education Core (31 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- SOC 38200 - Introduction to Statistics in Sociology
- STAT 30100 - Elementary Statistical Methods
- STAT 31000 - Health Care Statistics

Natural Sciences (3 Credits)

- CHM 11900 - General Chemistry

Technology (3 Credits)

- NUR 45100 - Nursing Informatics

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Additional Credits (6 Credits)

- Select from the Philosophy/Humanities Core list
- FN 30300 - Essentials of Nutrition

First-Year Experience (FYE) (1 Credit)

- NUR 18100 - Introduction to Professional Nursing

Major Core (77 Credits)

- NUR 18200 - Conceptual and Theoretical Thinking in Nursing
- NUR 19600 - Foundations of Psychosocial Nursing
- NUR 27500 - Alternative Therapies for Nursing Practice
- NUR 41500 - Pathophysiology
- NUR 18800 - Foundations of Physical Assessment
- NUR 27400 - Essential Pharmacokinetics for Nursing
- NUR 29400 - Essential Pharmacotherapeutics for Nursing
- NUR 39400 - Health Promotion and Education
- NUR 19201 - Foundations of Nursing
- NUR 39000 - Nursing Research
- NUR 39100 - Professional Ethics
- NUR 28201 - Adult Health I
- NUR 28600 - Mental Health Nursing
- NUR 28700 - Mental Health Practicum
- NUR 39201 - Adult Health II
- NUR 31700 - Nursing Care of Women Through the Lifespan
- NUR 31800 - Maternity Practicum

- NUR 39700 - Nursing Care of the Aged, Disabled and Chronically Ill
- NUR 48601 - Community Health Nursing
- NUR 48200 - Nursing Leadership and Management
- NUR 36100 - Pediatric Nursing
- NUR 37200 - Pediatric Nursing Practicum
- NUR 45200 - Quality and Safety in Professional Nursing Practice
- NUR 48701 - Transitions into Professional Nursing Practice
- NUR 49301 - Adult Health III
- NUR 49800 - Capstone Course in Nursing

Other Required Courses (12 Credits)

- BIOL 21300 - Human Anatomy and Physiology I
- BIOL 21400 - Human Anatomy and Physiology II
- BIOL 22100 - Introduction to Microbiology

Total 120 Credits Required

Nursing, RN to BSN Online, BSN

Degree Requirements

Major Core (34 Credits)

- NUR 18200 - Conceptual and Theoretical Thinking in Nursing
- NUR 38400 - Concepts of Role Development in Professional Nursing
- NUR 38800 - Nursing of Families and Groups
- NUR 39000 - Nursing Research
- NUR 39100 - Professional Ethics
- NUR 39400 - Health Promotion and Education
- NUR 39700 - Nursing Care of the Aged, Disabled and Chronically Ill
- NUR 41500 - Pathophysiology
- NUR 45100 - Nursing Informatics
- NUR 48200 - Nursing Leadership and Management
- NUR 48300 - Community and Public Health Nursing
- NUR 49800 - Capstone Course in Nursing

Prerequisite Credits (62 Credits)

Admission Pre-requisites: Human Anatomy & Physiology (8 credits); Microbiology (4 credits); General Chemistry (3 credits); Pharmacology, Math or Science (2 credits); English Composition (3 credits); Behavioral Sciences (6 credits); Humanities (3 credits); Nursing (30 credits).

Non-Nursing Required Courses (24 Credits)

Statistics (3 credits); English Composition II (3 credits); Communication (3 credits); Humanities (6 credits); Electives (9 credits).

Total 120 Credits Required

Organizational Leadership and Supervision, BS

With a major in Organizational Leadership and Supervision, you will focus on leadership and innovation to develop skills as a leader for national and global technology enterprises. The broad curricula will help you learn how to lead in a variety of scenarios, from innovative technology organizations to global teams and organizational change. You will also take courses to understand how policies and law affect technology innovation and influence global technology and organizational leadership.

Many of our graduates pursue careers as corporate presidents and/or CEO's, project managers, production supervisors, project scheduler, human resource specialists, business administrators, and talent acquisition supervisors once they have finished their degrees.

The Organizational Leadership and Supervision Bachelor of Science program is accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
or

- MA 15300 - College Algebra
- STAT 13000 - Statistics and Contemporary Life

Natural Sciences (3 Credits)

Select a Natural Sciences course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- OLS 16300 - Fundamentals of Self-Leadership

Major Core (57 Credits)

- OLS 25200 - Human Relations in Organizations
- PSY 12000 - Elementary Psychology
- OLS 13100 - Introduction to Safety and Health Management
- OLS 37400 - Supervisory Management
- OLS 38400 - Leadership Process
- BHS 20100 - Statistical Methods for the Behavioral Sciences
- OLS 37500 - Training Methods
- ECON 21000 - Principles of Economics
- OLS 35000 - Creativity in Business and Industry
- OLS 27200 - Job Evaluation
- OLS 37600 - Human Resource Issues
- OLS 45400 - Gender and Diversity in Management
- OLS 37800 - Labor and Management Relations
- OLS 47700 - Conflict Management
- OLS 47400 - Conference Leadership
- OLS 48300 - The Common Law of the Workplace
- OLS 46800 - Personnel Law

- OLS 49300 - Senior Project - Phase I
- OLS 49700 - Senior Project
- ENGL 42000 - Business Writing

Other Required Courses (33 Credits)

Career Specialization Elective (15 Credits)

A concentration of (5) job-related courses from the same subject area.

Natural Science Elective with Lab (3 Credits)

Any science course with a laboratory component (i.e. Biology, Physics, Chemistry, Geoscience, Earth Science).

Communication Elective (3 Credits)

Choose 1 course from:

- COM 31400 - Advanced Presentational Speaking
- COM 32200 - Leadership in Organization
- COM 32500 - Interviewing: Principles and Practice
- COM 43900 - Focus Group Research

Free Electives (6 Credits)

Choose any (2) 10000-level course or higher except MA 11500.

OLS Elective (3 Credits)

Any OLS course

Technical Elective (3 Credits)

Any course from a College of Technology program and approved by the OLS Program Academic Advisor.

Total 120 Credits Required

Organizational Leadership and Supervision, Environmental Health and Safety, BS

The Organizational Leadership and Supervision Bachelor of Science Degree offers an area of concentration in Environmental Health and Safety (EHS). EHS is a profession that involves the prevention of incidents/accidents, illnesses, fires, explosions, and other events which harm people, property, and the environment.

EHS professionals are an important component of most industries, including: communication, consulting, construction, government, healthcare, insurance, manufacturing, transportation, petroleum, and utilities.

Many of our graduates pursue careers as safety coordinators, safety supervisors, safety instructors/trainers, loss control specialists, and EHS specialists once they have finished their degrees.

The Organizational Leadership and Supervision Bachelor of Science program is accredited by the Applied Science Accreditation Commission of ABET, <http://www.abet.org>. This ensures that the program is independently reviewed and meets the quality expectation for that profession.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 22000 - Technical Report Writing

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (6 Credits)

- MA 14700 - Algebra and Trigonometry for Technology
or
- MA 15300 - College Algebra
and
- MA 14800 - Algebra and Trigonometry for Technology II
or
- MA 15400 - Algebra and Trigonometry II

Natural Sciences (3 Credits)

Select a Natural Sciences course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 32400 - Ethics for the Professions

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (3 Credits)

- OLS 16300 - Fundamentals of Self-Leadership

Major Core (72 Credits)

- OLS 25200 - Human Relations in Organizations
- PSY 12000 - Elementary Psychology
- OLS 13100 - Introduction to Safety and Health Management
- OLS 30000 - Safety and Health for Engineering Technologies
- OLS 34300 - Hazardous Materials
- STAT 30100 - Elementary Statistical Methods
- OLS 37500 - Training Methods
- ECON 21000 - Principles of Economics
- OLS 33300 - Environmental Health and Safety Legislation and Standards
- OLS 33400 - Fire Protection
- OLS 24200 - Fundamentals of Ergonomics
- OLS 33200 - Fundamentals of Industrial Hygiene
- OLS 33600 - Fundamentals of Risk Assessment and Management
- OLS 35500 - Incident Investigation
- OLS 45400 - Gender and Diversity in Management
- OLS 34100 - Fundamentals of Environmental Health
- OLS 33700 - Introduction to Emergency Management
- OLS 34000 - Fundamentals of Construction Safety
- OLS 47400 - Conference Leadership
- OLS 41500 - Introduction to Environmental Management
- OLS 43000 - Environmental Health and Safety Management
- OLS 49300 - Senior Project - Phase I
- OLS 42100 - Psychology and Sociology of Safety
- OLS 49700 - Senior Project
- ENGL 42000 - Business Writing

Other Required Courses (18 Credits)

Chemistry Course (3 Credits)

Any CHM 10000 level course

Communication Elective (3 Credits)

Choose 1 course from:

- COM 31400 - Advanced Presentational Speaking
- COM 32200 - Leadership in Organization
- COM 32500 - Interviewing: Principles and Practice
- COM 43900 - Focus Group Research

OLS Electives (6 Credits)

Any (2) OLS courses

Free Elective (3 Credits)

Choose any 10000-level course or higher except MA 11500.

Technical Elective (3 Credits)

Any course from a College of Technology program and approved by the OLS Program Academic Advisor.

Total 120 Credits Required

Philosophy, BA

Literally, philosophy means "love of wisdom." A good working definition might be "the search for truth," because philosophy concerns itself with questions and problems that we as humans have long considered, including questions about our place in the universe, the meaning of a good life, and the nature and value of knowledge.

Because they are often focused on their future careers, few students begin college with the intention of majoring in philosophy. Those who do choose philosophy as a major usually switch from something else, such as management or political science, or they might add philosophy as a second major. They switch because they discover the value of a good education in philosophy.

A major in philosophy helps to develop a variety of important skills which contribute to professional success. These include analytical thinking, abstract reasoning, and problem-solving, useful in every professional career; the ability to build an argument (highly valued by law schools); clarity of communication both written and spoken; and an increased awareness of human solutions to a variety of human problems. Philosophy is therefore excellent training for many careers and also for graduate school preparation.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

- PHIL 11000 - Introduction to Philosophy
or
- PHIL 11100 - Ethics

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

First-Year Experience (FYE) (3 Credits)

- PHIL 10700 - Freshman Experience -English & Philosophy

Major Core (90 Credits)

Introductory Philosophy (3 Credits)

- PHIL 10100 - The History of Philosophy
- PHIL 11000 - Introduction to Philosophy
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Logic (3 Credits)

- PHIL 15000 - Principles of Logic
- PHIL 12000 - Critical Thinking
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Ethics (3 Credits)

- PHIL 11000 - Introduction to Philosophy
- PHIL 32400 - Ethics for the Professions
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Ethics for the Professions (3 Credits)

- PHIL 32400 - Ethics for the Professions
- PHIL 11100 - Ethics
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Metaphysics/Epistemology (6 Credits)

Choose two:

- PHIL 20600 - Philosophy of Religion
- PHIL 21900 - Introduction to Existentialism
- PHIL 22100 - Introduction to Philosophy of Science
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

History of Philosophy (6 Credits)

Choose two:

- PHIL 30100 - History of Ancient Philosophy
- PHIL 30300 - History of Modern Philosophy
- PHIL 22100 - Introduction to Philosophy of Science
- PHIL 29300 - Selected Topics in Philosophy
- PHIL 49000 - Advanced Topics in Philosophy

Philosophy Elective/Advanced Topics in Philosophy (6 Credits)

Students must take at least two PHIL 49000 (preferably in semesters 7 and 8).

- PHIL 49000 - Advanced Topics in Philosophy

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

History (3 Credits)

- HIST 10400 - Introduction to the Modern World
- HIST 11000 - The Pre-Modern World
- HIST 15100 - American History to 1877
- HIST 15200 - United States Since 1877

Literature (3 Credits)

- ENGL 20100 - The Nature of Literary Study
- or
- ENGL 23100 - Introduction to Literature

Political Science (3 Credits)

- POL 10100 - American Government and Politics

Economics (3 Credits)

- ECON 10100 - Survey of Economics

Math, Statistics, Science, or Computer Course (3 Credits)

Choose any MA (except MA 11500), STAT, SCI, or CIS course. CIS 20400 is highly recommended to meet general education requirements.

Free Elective EXL (3 Credits)

Any EXL Course

Free Electives (27 Credits)

Total 120 Credits Required

Physics, BS

Physics describes everything around us. This program helps students identify and apply the basic principles that govern our world.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

English Composition Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (9 Credits)

- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics

Technology (3 Credits)

- CS 12300 - Programming I: Java

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- PHYS 19400 - Freshman Physics Orientation

Major Core (53 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- PHYS 29400 - Sophomore Physics Seminar
- PHYS 34200 - Modern Physics
- PHYS 34300 - Modern Physics Laboratory
- MA 26400 - Differential Equations
- PHYS 31100 - Quantum Physics I
- PHYS 33000 - Intermediate Electricity And Magnetism
- MA 26500 - Linear Algebra
- PHYS 49400 - Junior-Senior Physics Seminar
- CS 12400 - Programming II: C++
- PHYS 31000 - Intermediate Mechanics

- PHYS 40200 - Senior Research I (e)
- PHYS 38000 - Advanced Physics Laboratory
- PHYS 40300 - Senior Research II (e)
- PHYS 41800 - Thermal and Statistical Physics

Other Required Courses (34 Credits)

CES Electives (9 Credits)

ASTR (any course); BIOL (any course excluding BIOL 10008, 10010, BIOL 10700); CHM (any course excluding CHM 10000, CHM 11100, CHM 11200, CHM 19400); CE (any course); CS (any course excluding CS 10000); EAS (any course); ECE (any course); ENGR (any course excluding 11000, ENGR 18600); MSE (any course); MA (any course 30000 or higher excluding MA 23700, MA 23800, and MA 23900); ME (any course); PHYS (any course 30000 or higher); SCI (any course excluding SCI 10300, SCI 10400, SCI 10500, SCI 11200, SCI 11300, SCI 11400, SCI 20200 and SCI 31500); and STAT (any course 30000 or higher).

Physics Electives (15 Credits)

Engineering Physics Concentration: Also allowed with permission are

- MSE 20000 - Materials Science
- ECE 21800 - Linear Circuits Laboratory II
- ECE 20100 - Linear Circuit Analysis I
- ECE 23300 - Microcomputers in Engineering
- ECE 20700 - Electronic Measurement Techniques
- ECE 27500 - Analog and Digital Electronics
- ECE 20200 - Linear Circuit Analysis II
- ME 30500 - General Thermodynamics I
- CS 27500 - Data Structures
- CS 22300 - Computer Architecture and Assembly Language
- CS 30200 - Operating Systems

Free Electives (10 Credits)

Total 120 Credits Required

Physics, Computational Physics, BS

Provides students with a strong background in theoretical physics while teaching the necessary skills to use the computer as a problem solving device.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (9 Credits)

- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics

Technology (3 Credits)

- CS 12300 - Programming I: Java

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- PHYS 19400 - Freshman Physics Orientation

Major Core (74 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- MA 26500 - Linear Algebra
- PHYS 29400 - Sophomore Physics Seminar
- PHYS 34200 - Modern Physics
- PHYS 34300 - Modern Physics Laboratory
- MA 26400 - Differential Equations
- CS 12400 - Programming II: C++
- PHYS 31100 - Quantum Physics I
- PHYS 33000 - Intermediate Electricity And Magnetism
- PHYS 30800 - Scientific Computation
- CS 27500 - Data Structures
- MA 37700 - Computational Mathematics I
- PHYS 49400 - Junior-Senior Physics Seminar
- PHYS 30900 - Scientific Computation II
- MA 37800 - Computational Mathematics II
- PHYS 31000 - Intermediate Mechanics
- PHYS 40200 - Senior Research I (e)
- CS 33200 - Algorithms
- PHYS 38000 - Advanced Physics Laboratory
- PHYS 40300 - Senior Research II (e)
- PHYS 41800 - Thermal and Statistical Physics
- MSV 56700 - Simulation Techniques

Other Required Courses (13 Credits)

Physics Electives (9 Credits)

Any (3) Physics course 30000 level or higher.

Free Electives (4 Credits)

Total 120 Credits Required

Physics, Engineering Physics, BS

Students combine the basic principles of physics with the applied nature of engineering in order to identify underlying physical relationships and merge them with engineering processes and techniques.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (9 Credits)

- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers
or
- CS 12300 - Programming I: Java

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- PHYS 19400 - Freshman Physics Orientation

Major Core (69 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- ME 27100 - Basic Mechanics I (Statics)
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- PHYS 29400 - Sophomore Physics Seminar
- PHYS 34200 - Modern Physics
- PHYS 34300 - Modern Physics Laboratory
- MA 26400 - Differential Equations
- ME 27500 - Basic Mechanics II (Dynamics)
- PHYS 31100 - Quantum Physics I
- PHYS 33000 - Intermediate Electricity And Magnetism
- MA 26500 - Linear Algebra
- ECE 15200 - Programming for Engineers
- PHYS 49400 - Junior-Senior Physics Seminar
- ME 30500 - General Thermodynamics I
- MSE 20000 - Materials Science
- PHYS 31000 - Intermediate Mechanics
- PHYS 40200 - Senior Research I (e)
- PHYS 38000 - Advanced Physics Laboratory
- PHYS 40300 - Senior Research II (e)
- PHYS 41800 - Thermal and Statistical Physics

Other Required Courses (18 Credits)

Engineering Electives (11 Credits)

Choose (3) from:

- CE 27300 - Mechanics of Materials
- ECE 27500 - Analog and Digital Electronics
- ECE 33500 - Electronics-Systems
- ECE 37000 - Digital Systems-Logic Design
- ME 31200 - Fluid Mechanics
- ME 31300 - Fluid Mechanics Laboratory
- ME 41600 - Heat Transfer
- Other CE, ECE, ENGR, ME or MSE courses can be substituted with an advisor's permission.

Mechanical Engineering Specialization

Students pursuing a Mechanical Engineering specialization should take:

- CE 27300 - Mechanics of Materials

- ME 31200 - Fluid Mechanics
- ME 31300 - Fluid Mechanics Laboratory
- ME 41600 - Heat Transfer

Electrical Engineering Specialization

Students pursuing an Electrical Engineering specialization should take:

- ECE 27500 - Analog and Digital Electronics
- ECE 33500 - Electronics-Systems
- ECE 37000 - Digital Systems-Logic Design

Physics Elective (3 Credits)

Any Physics course 30000 level or higher

Free Electives (4 Credits)

Total 120 Credits Required

Physics, Nuclear Science, BS

This program provides students with the knowledge that they need to be thoroughly prepared for a career in Nuclear Science and complete the first step in a pipeline that culminates in a Master's degree in Nuclear Engineering from Purdue University in West Lafayette.

Degree Requirements

PNW General Education Core (33 Credits Minimum)

English Composition (6 Credits)

Any General Education English Composition

Speech Communication (3 Credits)

Any General Education Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I

Natural Sciences (9 Credits)

- PHYS 15200 - Mechanics
- PHYS 25100 - Heat, Electricity and Optics

Technology (3 Credits)

- ENGR 15100 - Software Tools for Engineers
- CS 12300 - Programming I: Java
- CIS 16600 - Introduction to Programming

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

First-Year Experience (FYE) (1 Credit)

- PHYS 19400 - Freshman Physics Orientation

Major Core (80 Credits)

Note: Courses with (e) at the end of their title meet the Experiential Learning requirement of the major.

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- MA 16400 - Integrated Calculus Analysis Geometry II
- MA 26100 - Multivariate Calculus
- ECE 20100 - Linear Circuit Analysis I
- ECE 20700 - Electronic Measurement Techniques
- PHYS 29400 - Sophomore Physics Seminar
- PHYS 34200 - Modern Physics
- PHYS 34300 - Modern Physics Laboratory
- MA 26400 - Differential Equations
- ME 30500 - General Thermodynamics I
- PHYS 31100 - Quantum Physics I
- PHYS 33000 - Intermediate Electricity And Magnetism
- PHYS 30800 - Scientific Computation
- ME 31200 - Fluid Mechanics

- ME 31300 - Fluid Mechanics Laboratory
- PHYS 49400 - Junior-Senior Physics Seminar
- PHYS 47000 - Special Topics in Physics - Nuclear Power
- CS 12400 - Programming II: C++
- MA 26500 - Linear Algebra
- PHYS 31000 - Intermediate Mechanics
- PHYS 40200 - Senior Research I (e)
- PHYS 47000 - Special Topics in Physics - Nuclear Physics
- PHYS 38000 - Advanced Physics Laboratory
- PHYS 40300 - Senior Research II (e)
- PHYS 41800 - Thermal and Statistical Physics
- ME 41600 - Heat Transfer
- ME 41700 - Heat Transfer Laboratory
- PHYS 47000 - Special Topics in Physics - Neutron Physics

Other Required Courses (7 Credits)

Physics Elective (3 Credits)

Any Physics course 30000 level or higher

Free Electives (4 Credits)

Total 120 Credits Required

Political Science, BA

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Any Natural Sciences with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Any 10000 level History course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

First-Year Experience (FYE) (3 Credits)

- POL 20000 - Introduction to the Study of Political Science

Major Core (27 Credits)

- POL 10100 - American Government and Politics
- ENGL 23100 - Introduction to Literature
- POL 20200 - Introduction to Political Theory
- POL 13000 - Introduction to International Relations
- POL 30000 - Introduction to Political Analysis
- FN 30300 - Essentials of Nutrition
- ECON 10100 - Survey of Economics
- POL 49100 - Political Science Senior Seminar
- POL 40100 - Practicum in Local Government

Other Required Courses (63 Credits)

Foreign Language (12 Credits)

Choose from French, German, Japanese, or Spanish. Must complete 4 semesters of the same foreign language.

Philosophy (3 Credits)

Choose any 10000 level PHIL course except PHIL 15000.

Aesthetics (3 Credits)

Choose 1 course from:

- AD 25500 - Art Appreciation
- MUS 25000 - Music Appreciation
- ENGL 31900 - Creative Writing
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

American Political Science Elective (3 Credits)

- POL 10000 - American Public Affairs
- POL 19000 - The Politics of Change
- POL 30600 - The United States in the 1960's
- POL 31100 - Congress and the President
- POL 31500 - Public Opinion and Elections
- POL 33000 - Politics of Lake County
- POL 34600 - Law and Society
- POL 35400 - Civil Liberties and the Constitution
- POL 36400 - Law, Ethics, and Public Policy
- POL 37200 - Indiana Government and Politics
- POL 41100 - Congress: Structure and Functioning
- POL 46000 - Judicial Politics
- POL 46100 - Constitutional Law I
- Other courses may be approved by the program advisor.

POL International Relations (3 Credits)

- POL 30900 - The Middle East
- POL 43300 - International Organization
- POL 43500 - International Law
- POL 43900 - United States Foreign Policy Making

- and other courses as approved by the program advisor.

POL Theory (3 Credits)

- POL 33000 - Politics of Lake County
- POL 34900 - Intro to Jewish Studies
- POL 35300 - Current Political Ideologies
- POL 38800 - The World of Ideas I
- POL 38900 - The World of Ideas II
- POL 40400 - United States Policy Making Elite
- and other courses as approved by the program advisor.

Political Science Elective (12 Credits)

Any POL course 30000 +

Free Electives (24 Credits)

Total 120 Credits Required

Psychology, BS

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (3 Credits)

Select from the Natural Sciences Core list

Technology (3 Credits)

Select from the Technology Core list

Humanities (3 Credits)

Select from the Humanities Core list

Social Sciences (3 Credits)

Select from the Social Sciences Core list

Additional Credits (3 Credits)

Select a course from any Core list, except FYE

First-Year Experience (FYE) (3 Credits)

- GS 19100 - First-Year Experience I

Supplemental Core (36 Credits)

Foreign Language (12 Credits)

(credit in the fourth semester required)

American Sign Language, German, Spanish

U.S. Tradition (3 Credits)

- HIST 15100 - American History to 1877
- POL 10100 - American Government and Politics

Western Heritage (3 Credits)

- HIST 10400 - Introduction to the Modern World
- PHIL 11000 - Introduction to Philosophy

Global Cultures (3 Credits)

- HIST 10500 - Survey of Global History
- PHIL 23100 - Religions of the West
- POL 34500 - West European Democracies in the Post-Industrial Era

Literature and the Arts (3 Credits)

- AD 11300 - Basic Drawing
- MUS 25000 - Music Appreciation
- THTR 20100 - Theatre Appreciation

Racial and Ethnic Diversity (3 Credits)

- ANTH 37900 - Native American Cultures
- HIST 40100 - Indigenous Traditions of Latin America
- SOC 31000 - Racial and Ethnic Diversity

Gender Issues (3 Credits)

- ANTH 23000 - Gender Across Cultures
- PHIL 40800 - Philosophy of Love and Friendship
- SOC 31501 - Gender in Society

Social Ethics (3 Credits)

- PHIL 11100 - Ethics
- SOC 22000 - Social Problems

Individual and Society (3 Credits)

- ANTH 10000 - Introduction to Anthropology
- COM 25000 - Mass Communication and Society

Major Core (33 Credits)

- PSY 12000 - Elementary Psychology
- PSY 20100 - Introduction to Statistics in Psychology
- PSY 20300 - Introduction to Research Methods in Psychology
- PSY 24000 - Introduction to Social Psychology

- PSY 32500 - Professional and Ethical Issues in Psychology
- PSY 34200 - Introduction to Psychology of Personality
- PSY 35000 - Abnormal Psychology
- PSY 36000 - Developmental Psychology
- PSY 37500 - Approaches to Counseling and Psychotherapy
- PSY 49200 - Internship in Psychology
- PSY 49800 - Senior Research

Psychology Tracks (6 Credits)

Choose one:

Developmental Psychology Track

- PSY 23500 - Child Psychology
- PSY 36700 - Adult Development and Aging

Forensic Psychology Track

- PSY 20200 - Introduction to Quantitative Topics in Psychology
- PSY 33200 - Forensic Psychology

Cognitive Psychology Track

- PSY 20000 - Introduction to Cognitive Psychology
- PSY 31100 - Human Memory

General Psychology Track

- Psychology Class 200 level + Credit Hours: 3.00
- Psychology Class 300 level + Credit Hours: 3.00

Electives (15 Credits)

Additional Psychology courses offered

Total 120 Credits Required

Psychology, General Psychology, BA

Degree Requirements

PNW General Education Core (34 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 15300 - College Algebra

Natural Sciences (6 Credits)

- SCI 10500 - Invitation to Human Biology
or
- BIOL 10100 - Introductory Biology
- and one BIOL, CHM, PHYS, or SCI course

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems
or
- any Computer Utilization course

Humanities (3 Credits)

Any English Lit course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Any 10000 level History course

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (30 Credits)

- BHS 20100 - Statistical Methods for the Behavioral Sciences
- PSY 20300 - Introduction to Research Methods in Psychology
- PSY 20500 - Testing and Measurement
- PSY 33900 - Advanced Social Psychology
- PSY 32200 - Neuroscience of Motivated Behavior
- PSY 31400 - Introduction to Learning
- ECON 10100 - Survey of Economics
- PSY 31100 - Human Memory
- PSY 48000 - Field Experience in Psychology
- PSY 43000 - Systems and Theories of Psychology

Other Required Courses (56 Credits)

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Aesthetics (3 Credits)

The Department of Behavioral Sciences accepts the following:

- AD 25500 - Art Appreciation
- ENGL 40500
- ENGL 38600 - History of Film to 1938
- ENGL 28600 - The Movies
- MUS 25000 - Music Appreciation
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course, except PHIL 15000

Political Science (3 Credits)

Any 10000 level POL course

Psychology Electives (15 Credits)

30000 level or above

Electives (20 Credits)

Free Electives/Minor Requirement

Total 120 Credits Required

Secondary Education, Chemistry, BS

Degree Requirements

PNW General Education Core (39 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (10 Credits)

- MA 16700 - Plane Analytical Geometry & Calculus I
- MA 16900 - Plane Analytical Geometry and Calculus II

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Humanities (3 Credits)

- EDST 20000 - History and Philosophy of Education

First-Year Experience (3 Credits)

- EDCI 10500 - Introduction to Teaching

Major Core (85 Credits)

- EDCI 10500 - Introduction to Teaching
- CHM 26100 - Organic Chemistry
- CHM 26300 - Organic Chemistry Laboratory
- MA 26100 - Multivariate Calculus
- EDCI 20500 - Exploring Teaching as a Career
- PHYS 15200 - Mechanics
- CHM 26200 - Organic Chemistry
- CHM 26400 - Organic Chemistry Laboratory
- EDCI 28600 - Multiculturalism In Secondary Schools
- PHYS 26100 - Electricity and Optics
- CHM 32100 - Analytical Chemistry I
- EDPS 30600 - Adolescent and Young Adult Development
- EDPS 30700 - Classroom Climate in Secondary Schools
- CHM 33300 - Principles of Biochemistry
- ASTR 26300 - Descriptive Astronomy: The Solar System
- CHM 37200 - Physical Chemistry
- EDPS 30800 - Exceptional Learners-Secondary
- EDCI 32200 - English for New Language Learners
- ASTR 26400 - Descriptive Astronomy: Stars and Galaxies
- EAS 11300 - Introduction to Environmental Science
- PSY 25100 - Health Psychology
- CHM 48100 - Environmental Chemistry
- EDCI 34600 - Strategies of Science Instruction in Senior High, Junior High and Middle Schools
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems

- EDCI 49500 - Student Teaching in the Secondary Classroom

Total 122 Credits Required

Secondary Education, Life Science, BS

Degree Requirements

PNW General Education Core (32 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- MA 22300 - Introductory Analysis I

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Humanities (3 Credits)

- Select a course from the Humanities Core list

First-Year Experience (3 Credits)

- EDST 20000 - History and Philosophy of Education

Major Core (74 Credits)

- EDCI 10500 - Introduction to Teaching
- BIOL 10100 - Introductory Biology
- BIOL 10200 - Introductory Biology
- BIOL 23100 - Biology III: Cell Structure and Function
- BIOL 23200 - Laboratory in Biology III: Cell Structure and Function
- BIOL 28600 - Introduction to Ecology and Evolution
- BIOL 28800 - Introductory Field Ecology
- EDCI 20500 - Exploring Teaching as a Career
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- CHM 25600 - Organic Chemistry
- CHM 25601 - Organic Chemistry Laboratory
- BIOL 24100 - Biology IV: Genetics and Molecular Biology
- BIOL 24200 - Laboratory in Biology IV: Genetics and Molecular Biology
- EDCI 28600 - Multiculturalism In Secondary Schools
- PHYS 22000 - General Physics
- EDPS 30600 - Adolescent and Young Adult Development
- EDPS 30700 - Classroom Climate in Secondary Schools
- STAT 30100 - Elementary Statistical Methods
- EDPS 30800 - Exceptional Learners-Secondary
- EDCI 32200 - English for New Language Learners
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 34600 - Strategies of Science Instruction in Senior High, Junior High and Middle Schools
- EDCI 49500 - Student Teaching in the Secondary Classroom

Other Required Courses (24 Credits)

Science Electives (24 Credits)

Choose eight science courses. Two of each subject - Ecology & Environment, Molecular & Cellular, Structure & Function, and Evolution.

Total 130 Credits Required

Secondary Education, Mathematics, BS

Degree Requirements

PNW General Education Core (32 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (5 Credits)

- MA 16700 - Plane Analytical Geometry & Calculus I

Natural Sciences (6 Credits)

- ASTR 26300 - Descriptive Astronomy: The Solar System
- EAS 11300 - Introduction to Environmental Science

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Humanities (3 Credits)

Select a course from the Humanities Core list

First-Year Experience (FYE) (3 Credits)

- EDST 20000 - History and Philosophy of Education

Major Core (88 Credits)

- EDCI 10500 - Introduction to Teaching
- EDST 20000 - History and Philosophy of Education
- MA 16900 - Plane Analytical Geometry and Calculus II
- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry
- EDCI 20500 - Exploring Teaching as a Career
- STAT 35000 - Introduction to Statistics
- MA 26100 - Multivariate Calculus
- EDCI 28600 - Multiculturalism In Secondary Schools
- MA 26200 - Linear Algebra and Differential Equations
- CS 20600 - Computer Algebra and Programming
- PSY 25100 - Health Psychology
- EDPS 30600 - Adolescent and Young Adult Development
- EDPS 30700 - Classroom Climate in Secondary Schools
- MA 34800 - Discrete Mathematics
- MA 33000 - Concepts in Geometry
- EDPS 30800 - Exceptional Learners-Secondary
- EDCI 32200 - English for New Language Learners
- MA 35100 - Elementary Linear Algebra
- STAT 31100 - Introductory Probability
- EDCI 42500 - Teaching of Mathematics in Secondary Schools
- MA 40100 - Problem Solving in Mathematics
- MA 45300 - Elements of Algebra I
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 49500 - Student Teaching in the Secondary Classroom

Total 120 Credits Required

Secondary Education, Physical Science, BS

Degree Requirements

PNW General Education Core (39 Credits)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (10 Credits)

- MA 16300 - Integrated Calculus Analysis Geometry I
- MA 16400 - Integrated Calculus Analysis Geometry II

Natural Sciences (8 Credits)

- CHM 11500 - General Chemistry
- CHM 11600 - General Chemistry

Technology (3 Credits)

- EDCI 27000 - Introduction to Educational Technology and Computing

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Humanities (3 Credits)

Select a course from the Humanities Core list

First-Year Experience (FYE) (3 Credits)

- EDST 20000 - History and Philosophy of Education

Major Core (74 Credits)

- EDCI 10500 - Introduction to Teaching
- EDCI 20500 - Exploring Teaching as a Career

- CHM 32100 - Analytical Chemistry I
- CHM 25500 - Organic Chemistry
- CHM 25501 - Organic Chemistry Laboratory
- PHYS 22000 - General Physics
- EDCI 28600 - Multiculturalism In Secondary Schools
- PHYS 15200 - Mechanics
- PHYS 26100 - Electricity and Optics
- EDPS 30600 - Adolescent and Young Adult Development
- EDPS 30700 - Classroom Climate in Secondary Schools
- PSY 25100 - Health Psychology
- CHM 48100 - Environmental Chemistry
- CHM 37200 - Physical Chemistry
- EDPS 30800 - Exceptional Learners-Secondary
- EDCI 32200 - English for New Language Learners
- PHYS 34200 - Modern Physics and Lab
- ASTR 26300 - Descriptive Astronomy: The Solar System
- EDCI 30900 - Reading in Middle and Secondary Schools: Methods and Problems
- EDCI 34600 - Strategies of Science Instruction in Senior High, Junior High and Middle Schools
- EDCI 49500 - Student Teaching in the Secondary Classroom

Other Required Courses (4 Credits)

Science Elective 30000 level or above

Total 120 Credits Required

Social Work, BA

The BASW Program educates students to become professionals in social work. The BASW curriculum provides a professional social work foundation that is transferable to different settings, population groups and problem areas. Students select a curriculum focused in clinical, organizational, community, international and social justice issues with a strong emphasis on service learning in the community with excellence in scholarship.

Degree Requirements

PNW General Education Core (30 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 11300 - Statistics and Society

Natural Sciences (3 Credits)

- ASTR 26300 - Descriptive Astronomy: The Solar System
- EAS 10400 - Oceanography
- EAS 12000 - Introduction to Geography

Technology (3 Credits)

- CNIT 10700 - Computers and Software Packages

Humanities (3 Credits)

- HIST 10300 - Introduction to the Medieval World
- HIST 10400 - Introduction to the Modern World
- PHIL 11000 - Introduction to Philosophy

Social Sciences (3 Credits)

- PSY 12000 - Elementary Psychology

Additional Credits (3 Credits)

- SWRK 16200 - Careers in Social Work and Human Services

First-Year Experience (FYE) (3 Credits)

- HIST 10400 - Introduction to the Modern World
- PHIL 11000 - Introduction to Philosophy
- POL 13000 - Introduction to International Relations
- GS 19100 - First-Year Experience I

Supplemental Core (36 Credits)

Modern Language (12 Credits)

(credit in the fourth semester required)

U.S. Tradition (3 Credits)

Western Heritage (3 Credits)

Global Cultures (3 Credits)

Literature and the Arts (3 Credits)

Racial and Ethnic Diversity (3 Credits)

Gender Issues (3 Credits)

Social Ethics (3 Credits)

Individual and Society (3 Credits)

Major Core (54 Credits)

- SOC 10000 - Introductory Sociology
- SWRK 24000 - Social Work Helping Communication With Individuals and Small Groups
- SWRK 26100 - Introduction to Social Work
- SWRK 30100 - Social Work Research
- SWRK 32100 - Human Behavior in the Social Environment I
- SWRK 32200 - Human Behavior in the Social Environment II
- SWRK 35100 - Junior Practicum
- SWRK 35900 - Macro Practice: Human Service Organizations and the Community
- SWRK 36100 - Institutional Social Welfare
- SWRK 36200 - Social Work Practice I
- SWRK 36300 - Social Work Practice II

- SWRK 36600 - Group Practice in Social Work
- SWRK 46100 - Field Practicum in Social Work
- SWRK 46400 - Field Practicum in Social Work II
- Social Work Elective 30000 level or above Credits Hours: 3.00
- Social Science Elective Credit Hours: 3.00

Total 120 Credits Required

Sociology, BA

Degree Requirements

PNW General Education Core (34 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
or
- MA 15300 - College Algebra

Natural Sciences (6 Credits)

- FN 30300 - Essentials of Nutrition
- and one Natural Science course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Any English Lit course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Any 10000 level History course

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (33 Credits)

- SOC 22000 - Social Problems
- BHS 20100 - Statistical Methods for the Behavioral Sciences
- SOC 38300 - Introduction to Research Methods in Sociology
- SOC 31400 - Race and Ethnic Relations
- SOC 40200 - Sociological Theory
- SOC 30700 - Field Experience in Human Services
- Sociology Electives – 30000 level or above Credit Hours: 15.00

Other Required Courses (53 Credits)

- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Aesthetics (3 Credits)

The Department of Behavioral Sciences accepts the following:

- AD 25500 - Art Appreciation
- ENGL 40500
- ENGL 38600 - History of Film to 1938

- ENGL 28600 - The Movies
- MUS 25000 - Music Appreciation
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course, except PHIL 15000

Political Science (3 Credits)

Any 10000 level POL course

Electives (39 Credits)

Free Electives/Minor

Total 120 Credits Required

Sociology, Criminal Justice, BA

Degree Requirements

PNW General Education Core (34 Credits Minimum)

English Composition (6 Credits)

- ENGL 10400 - English Composition I
- ENGL 10500 - English Composition II

Speech Communication (3 Credits)

- COM 11400 - Fundamentals of Speech Communication

Quantitative Reasoning (3 Credits)

- STAT 13000 - Statistics and Contemporary Life
- or

- MA 15300 - College Algebra

Natural Sciences (6 Credits)

- FN 30300 - Essentials of Nutrition
- one Natural Science course with Lab

Technology (3 Credits)

- CIS 20400 - Introduction to Computer-Based Systems

Humanities (3 Credits)

Any English Lit course

Social Sciences (6 Credits)

- PSY 12000 - Elementary Psychology
- SOC 10000 - Introductory Sociology

Additional Credits (3 Credits)

Any 10000 level History course

First-Year Experience (FYE) (1 Credit)

- BHS 10300 - Freshman Experience in Behavioral Sciences

Major Core (48 Credits)

- CRJU 15000 - Introduction to the Criminal Justice System
- SOC 22000 - Social Problems
- SOC 38200 - Introduction to Statistics in Sociology
- CRJU 24000 - Introduction to Corrections
- CRJU 23000 - Introduction to Law Enforcement
- CRJU 30700 - Victimology
- SOC 38300 - Introduction to Research Methods in Sociology
- SOC 32400 - Criminology
- or
- CRJU 32400 - Criminology
- SOC 31400 - Race and Ethnic Relations

- SOC 24100 - Juvenile Delinquency Credit Hours: 3.00
or
- CRJU 24100 - Juvenile Delinquency Credit Hours: 3.00
- SOC 44300 - Field Experience in Criminal Justice
- SOC 40200 - Sociological Theory
- Sociology/Criminal Justice – B4 Credit Hours: 12.00

Other Required Courses (38 Credits)

- POL 10100 - American Government and Politics
- ECON 10100 - Survey of Economics

Foreign Language (12 Credits)

Spanish, French, German, or Japanese. Must complete 4 semesters of the same foreign language

Aesthetics (3 Credits)

The Department of Behavioral Sciences accepts the following:

- AD 25500 - Art Appreciation
- ENGL 40500
- ENGL 38600 - History of Film to 1938
- ENGL 28600 - The Movies
- MUS 25000 - Music Appreciation
- PHIL 10600 - Human Experience in Art Literature, Music, and Philosophy
- THTR 20100 - Theatre Appreciation

Philosophy (3 Credits)

Any 10000 level PHIL course, except PHIL 15000

Electives (14 Credits)

Free Electives/Minor

Total 120 Credits Required

Graduate

Biology, MS

The biological sciences department offers a MS in Biology with both Thesis and Non-Thesis Options. Courses are available in biotechnology, molecular and cellular biology, microbiology, human biology, and ecology. Graduate level elective courses are offered in the Fall, Spring, and Summer semesters, making it possible to graduate with a non-thesis option in just three semesters. A diverse course schedule accommodates both full-time and part-time students. Our MS degree program provides an exceptional opportunity for professional development as well as a bridge to doctoral or health professional programs.

Degree Requirements and Plan of Study

A plan of study should be submitted to the Graduate School shortly after acceptance into the program. A Graduate Advisory Committee will work closely with the student to design a program suited to the student's needs.

Non-Thesis Option

Twenty-nine credits in formal courses and special assignments (independent study, research and reading) and one credit in seminar. The special assignment credits (independent study, research and reading) cannot exceed six; and the reading credits cannot exceed three. Of the total of thirty credits, twenty-one credits must in the primary area of biology at 50000 and 60000 levels and 9 credits in supporting areas. The supporting areas include biology (outside of the primary area), statistics, computer science, mathematics, education, chemistry, and physics. For example, students interested in biology teaching would choose education courses for the supporting area. Up to six credits can be taken from 40000-level formal courses as a part of the supporting area requirement. Students exercising this option must pass a written comprehensive exam for the degree.

Thesis Option

Fifteen credits in formal courses, one credit in seminar, and up to 14 credits in thesis research. Up to three credits of thesis research can be substituted by special assignment (independent study, research and reading). Of the total of thirty credits, twenty-one credits must in the primary area of biology at 50000 and 60000 levels and nine credits in supporting areas. The supporting areas include biology (outside of the primary area), statistics, computer science, mathematics, chemistry, and physics. Up to six credits can be taken from 40000-level formal courses as a part of the supporting area requirement. Students exercising this option must submit a formal research proposal, conduct the research, write a thesis, and pass an oral defense before a faculty committee.

Required Cumulative Index

GPA of 3.0 or higher. A grade of "B-" or better is required in all courses in the primary area. The degree must be completed in 10 semesters within 5 years.

Transfer of Credit

A maximum of 9 credits taken from other accredited institutions completed within 10 years prior to completion of degree program may be accepted for supporting area. Only credit hours associated with graduate courses for which grades of B- or better were obtained will be eligible for transfer.

Total 30 Credits Required

Child Development and Family Studies, Human Development and Family Studies, MS

Program Requirements

Common Core

- CDFS 60200 - Advanced Family Studies
- CDFS 61500 - Research Methods in Child and Family Study
- CDFS 61800 - Program Development and Evaluation
- CDFS 59000 - Special Problems (Current Research Topics in Child Development and Family Studies)
- PSY 60500 - Applied Multivariate Analysis
- CDFS 59000 - Special Problems (Administration of Social Service Non-for-Profit Agencies)
- CDFS 68000 - Professional Issues for Child and Family Specialists
- CDFS 59000 - Special Problems (6-hours of Directed Research)

Electives

Nine credit hours at the 40000-60000 level. Electives must represent one of the specialties listed below:

- Early Childhood Development Area
- Child & Family Studies Area
- Disabilities Studies Area
- Gerontology Area

Completed Directed Research Project and Oral Defense

Total 36 Credits Required

Child Development and Family Studies, Marriage and Family Therapy, MS

Accredited by the Commission on Accreditation for Marriage and Family Therapy Education (COAMFTE).

Special Admission Requirements

- 1000-word autobiographical statement demonstrating that the student has adequate preparation.
- Combined verbal and math Graduate Record Examination score of 300.

Program Requirements

Required Courses

- CDFS 59000 - Special Problems (Couple and Sex Therapy)
- CDFS 60100 - Advanced Child Development
- CDFS 59000 - Special Problems (Diversity and Social Justice in Family Therapy)
- CDFS 61500 - Research Methods in Child and Family Study
- CDFS 65700 - Social Constructionist Family Therapies
- CDFS 66000 - Family Therapy Skills
- CDFS 66300 - Structural and Strategic Family Therapies
- CDFS 66500 - Transgenerational and Specialized Family Therapies
- CDFS 66900 - Practicum in Family Therapy (6 semesters)
- CDFS 59000 - Special Problems (Contemporary Issues in Family Therapy)
- CDFS 68000 - Professional Issues for Child and Family Specialists
- CDFS 69800 - Research MS Thesis (6 credits)
- PSY 60500 - Applied Multivariate Analysis
- CDFS 59000 - Special Problems (Behavior Disorders)
- CDFS 59000 - Special Problems (Children in Family Therapy)
- CDFS 64100 - Trauma and Recovery in Family Therapy

Additional Requirements

- 500 hours of face-to-face contact with clients
- 100 hours of supervision
- Completed written thesis and oral defense of thesis

Total 67 Credits Required

Communication, MA

The Master's degree program within the Department of Communication and Creative Arts at Purdue University Calumet offers a broad range of courses covering theories and research methodologies in the following areas: mass communication, interpersonal communication, organizational communication, performance studies, political communication, and rhetoric. The program is highly flexible and allows each graduate student to plan his/her course of study in consultation with a graduate faculty or advisor. After admission into the program, students will meet with advisor to determine their course of study based on their interests and professional goals.

The program was originally designed to meet the needs of individuals who live and work in northwest Indiana and who want to complete advanced courses of study in communication studies. Today, a diverse student body--including international--is enrolled in the program. Numerous graduate students have successfully completed the program to qualify for career advancement, to prepare for doctoral study, or to satisfy their own curiosity about the most fundamental human behavior: Communication.

Program Requirements

Required Courses (3 Credits)

- COM 58200 - Descriptive/Experimental Research in Communication
or
- COM 58400 - Historical/Critical Research in Communication

Theory (9 Credits)

Nine (9) hours of THEORY from the courses listed below:

- COM 50800 - Nonverbal Communication in Human Interaction
- COM 51200 - Theories of Interpersonal Communication
- COM 51700 - Communication in Politics
- COM 51800 - Theories of Persuasion
- COM 52000 - Small Group Communication
- COM 52100 - Theories of Rhetoric
- COM 53400 - Comparative Telecommunication Systems
- COM 54500 - Theories of Oral Interpretation
- COM 56000 - Rhetorical Dimension of Mass Media
- COM 57400 - Organizational Communication
- COM Elective - Communication Elective *

Research Methods/Application (9 Credits)

Nine (9) hours of RESEARCH METHODS/APPLICATION from courses listed below:

- COM 51500 - Persuasion in Social Movements
- COM 52500 - Advanced Interviewing and Conference Methods
- COM 53100 - Special Topics in Mass Communication
- COM 53300 - Documentary Television
- COM 53600 - Radio & Television Writing
- COM 54000 - Advanced Oral Interpretation
- COM 55900 - Current Trends in Mass Communication Research
- COM 58300 - Research and Assessment in Organizational Communication
- COM Elective - Communication Elective*

Communication Electives

*Depending on the topic and approach, the following courses could fulfill requirements in the above categories.

Students need to get the Graduate Director's approval to count one of the following as either Theory or Research:

- COM 61200 - Seminar: Special Topics in Interpersonal Communication
- COM 62100 - Seminar: Special Topics in Rhetorical Theory
- COM 63200 - Seminar: Special Topics in Mass Communication
- COM 67400 - Seminar: Special Topics in Organizational Communication

Electives (15 Credits)

Fifteen (15) hours of ELECTIVE coursework – Note: No more than 9 hours may be taken outside the department, no more than 6 hours Directed Study courses. Two 400-level COM courses may be taken for graduate elective credit.

Advisor Selection/Examination Committee

1. Upon completion of 9 credit hours, student must select a graduate faculty mentor/advisor (examination committee chair).
2. The student and the advisor will plan a course of study for the remaining 27 credit hours.
3. Prior to the completion of the 24th credit hour, students must select two remaining committee members for their advisory committees.
4. The student and the committee will discuss and determine an appropriate graduation examination format. Usual options include: Comprehensive Exams; Conference Quality Paper; Performance/Creative Project; Thesis

Transfer of Credits

No more than 9 credits (3 courses) from other accredited institutions, taken within 10 years prior to completion of degree program, may be accepted at the discretion of the Department.

Total 36 Credits Required

Computer Science, MS

The Master of Science in Computer Science integrates fundamental theoretical concepts with sophisticated practical applications. Graduates will be prepared for employment in the field, and, for those students who are so interested, for further studies in computer science. Students must have the necessary prerequisite knowledge to undertake the study of advanced computer science topics.

Special Program Requirements

1. No more than six credits of coursework with a grade of 'C.' "B" average must be maintained.
2. All courses taken as a temporary student must post grades of "A" or "B".
3. Plan of Study submitted to Student Advisory Committee before the end of nine semester credits; must be approved by the Graduate School before the student registers for the semester in which the degree is to be awarded.
4. No more than three courses accepted from other institutions may be used on a Plan of Study. Please refer to the section on graduate study for other regulations governing graduate study at Purdue Calumet.

Degree Requirements

Core Courses (9 Credits)

- CS 59000 - Topics in Computer Sciences (Compiling and Programming Systems)
- CS 59000 - Topics in Computer Sciences (Operating Systems)
- CS 59000 - Topics in Computer Sciences (Algorithm Design, Analysis, and Implementation)

Electives (21 Credits)

7 approved courses at the graduate level

Total 30 Credits Required

Director of Exceptional Needs License Program (Special Education Director's License)

This program is intended for those who already have a master's degree and are seeking licensure. It is also intended for those who already have special education licensure, experience and background. The intent is to couple the Exceptional Needs Director's License with the Building Level Administrator's License whenever possible. However, a master's degree can be worked into the program for those who do not yet have one. Also, additional special education course work may be built into the program for those who need it.

Program Requirements

Special Education/Foundation Block (12 Credits)

- EDCI 58500 - Multicultural Education
- EDPS 53000 - Advanced Educational Psychology
- EDPS 53300 - Introduction to Educational Research I: Methodology
- EDPS 66400 - Seminar in Special Education (Education Law)
- EDFA 60800 - Business Management in Education

Administration Block (28 Credits)

must be taken in sequence

- EDFA 51200 - Foundations of Educational Administration
- EDFA 60900 - Legal Aspects of American Education
- EDFA 61000 - Supervision of Instruction and Instructional Personnel
- EDFA 51600 - School-Community Relations
- EDFA 51700 - Legal Aspects in American Education II
- EDCI 58000 - Foundations of Curriculum

- EDFA 53900 - School Administration: The Effective School Executive
- EDFA 69500 - Internship in Education (Special Education)
- EDFA 69500 - Internship in Education (Administration) (4-hour course)

Total 40 Credits Required

Education, Human Services Counseling Concentration, MSEd

The College of Education & Counseling offers 3 tracks in counseling: Mental Health Counseling, School Counseling, and Human Services, as well as a Certification in Addictions Counseling. The concentrations in Mental Health and School Counseling, as well as the Certification in Addictions Counseling lead to licensure. The Mental Health Counseling and the School Counseling programs are accredited by the Council for Accreditation of Counseling & Related Educational Programs (CACREP). The Certification in Addictions courses are approved by the Indiana Counselors Association on Alcohol and Drug Abuse (ICAADA). The Human Services Counseling track is a non-licensure degree program. However, additional courses can be taken to complete the degree in Mental Health Counseling if a decision to do so is made before the internship has begun and with permission of the faculty. All students accepted into our program must obtain a limited criminal history check within the first week of the semester in which they begin.

Program Requirements

Non-licensure program

- EDPS 50000 - Group Counseling Theories and Techniques
- EDPS 50300 - Introduction to Mental Health Counseling
- EDPS 50700 - Counseling Multicultural and Diverse Populations
- EDPS 52800 - Research in Counseling
- EDPS 53900 - Ethics and Professional Identity for Mental Health Counselors
- EDPS 52100 - Counseling and Psychopathology
- EDPS 62000 - Counseling Seminar (Electives); Diverse Topics (4 electives, 12 credit hours)
- EDPS 69500 - Internship in Education (300 hours; 3 credit hours)

Total 33 Credits Required

Education, Mental Health Counseling, MSEd

The College of Education & Counseling offers 3 tracks in counseling: Mental Health Counseling, School Counseling, and Human Services, as well as a Certification in Addictions Counseling. The concentrations in Mental Health and School Counseling, as well as the Certification in Addictions Counseling lead to licensure. The Mental Health Counseling and the School Counseling programs are accredited by the Council for Accreditation of Counseling & Related Educational Programs (CACREP). The Certification in Addictions courses are approved by the Indiana Counselors Association on Alcohol and Drug Abuse (ICAADA). The Human Services Counseling track is a non-licensure degree program. However, additional courses can be taken to complete the degree in Mental Health Counseling if a decision to do so is made before the internship has begun and with permission of the faculty. All students accepted into our program must obtain a limited criminal history check within the first week of the semester in which they begin.

Program Requirements

- EDPS 50000 - Group Counseling Theories and Techniques
- EDPS 50300 - Introduction to Mental Health Counseling
- EDPS 52100 - Counseling and Psychopathology
- EDPS 52200 - Crisis Intervention and Emergency Management
- EDPS 50500 - Foundations of Career Development and Assessment
- EDPS 50700 - Counseling Multicultural and Diverse Populations
- EDPS 53100 - Introduction to Measurement and Evaluation
- EDPS 52800 - Research in Counseling
- EDPS 59100 - Special Topics in Education (Human Growth and Life Span Development)
- EDPS 52100 - Counseling and Psychopathology
- EDPS 60000 - Counseling Theories and Techniques
- EDPS 60100 - Counseling Theories and Techniques Laboratory
- EDPS 61000 - School Counseling Practicum
- EDPS 53900 - Ethics and Professional Identity for Mental Health Counselors
- EDPS 59100 - Special Topics in Education (Addictions)
- EDPS 62000 - Counseling Seminar (Electives); Diverse Topics (3 electives, 9 credit hours)
- EDPS 69500 - Internship in Education (900 hours; 9 credit hours)

Total 60 Credits Required

Education, School Counseling, MEd

The College of Education & Counseling offers 3 tracks in counseling: Mental Health Counseling, School Counseling, and Human Services, as well as a Certification in Addictions Counseling. The concentrations in Mental Health and School Counseling, as well as the Certification in Addictions Counseling lead to licensure. The Mental Health Counseling and the School Counseling programs are accredited by the Council for Accreditation of Counseling & Related Educational Programs (CACREP). The Certification in Addictions courses are approved by the Indiana Counselors Association on Alcohol and Drug Abuse (ICAADA). The Human Services Counseling track is a non-licensure degree program. However, additional courses can be taken to complete the degree in Mental Health Counseling if a decision to do so is made before the internship has begun and with permission of the faculty. All students accepted into our program must obtain a limited criminal history check within the first week of the semester in which they begin.

Program Requirements

- EDPS 50000 - Group Counseling Theories and Techniques
- EDPS 50100 - Introduction to School Counseling
- EDPS 50500 - Foundations of Career Development and Assessment
- EDPS 50700 - Counseling Multicultural and Diverse Populations
- EDPS 53100 - Introduction to Measurement and Evaluation
- EDPS 52800 - Research in Counseling
- EDPS 59100 - Special Topics in Education (Human Growth and Life Span Development)
- EDPS 60000 - Counseling Theories and Techniques
- EDPS 60100 - Counseling Theories and Techniques Laboratory

- EDPS 60900 - Program Development and Organization in Human Services
- EDPS 61000 - School Counseling Practicum
- EDPS 59100 - Special Topics in Education (Counseling Children and Adolescents)
- EDPS 59100 - Special Topics in Education (Seminar: Addictions)
- EDPS 62000 - Counseling Seminar (Electives); Diverse Topics (2 electives, 6 credit hours)
- EDPS 69500 - Internship in Education (600 hours; 6 credit hours)

Total 51 Credits Required

Education, Special Education, MEd

Program Requirements

A professional portfolio is required

Foundations (3 Credits)

- EDPS 59100 - Special Topics in Education (Integrating Students with Special Needs)

Special Education Core (21 Credits)

Select six classes of the following courses:

- EDPS 56300 - Identification, Evaluation, and Assessment of Exceptional Individuals
- EDPS 56500 - Intervention Strategies and Research
- EDPS 59100 - Special Topics in Education (Applied Behavior Analysis for Teachers)
- EDPS 66400 - Seminar in Special Education (Collaboration)
- EDPS 66400 - Seminar in Special Education (Special Education Law)
- EDPS 59100 - Special Topics in Education (Autism Spectrum Disorders)
- EDPS 59500 - Internship in Education

Related (6 Credits)

Select two of the following courses:

- EDCI 51100 - Teaching Mathematics in the Elementary School
- EDCI 59100 - Special Topics in Education (Literacy Problems: Evaluation and Remediation)
- EDCI 59100 - Special Topics in Education (Human Issues in Technology)

Total 30 Credits Required

Electrical and Computer Engineering, MSECE

The Master of Science in Electrical and Computer Engineering (MSECE) degree program requires a total of 30 credit hours to be completed, with thesis or non-thesis option. It is anticipated that the degree may be completed in two years of full time graduate study. To earn the MSECE degree, students must complete 30 credit hours, with an aggregate minimum grade point average of 3.0 for the courses listed in the Plan of Study.

Special Admission Requirements

- Bachelor's degree in Electrical & Computer Engineering from an institution accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET). Other students having adequate mathematical preparation with bachelor's degrees in non-ECE fields may be admitted on a conditional basis – they must complete 18-27 undergraduate credits in the ECE field with a GPA of 3.0/4.0 or better before being considered for full admission to the Master of Science in Electrical & Computer Engineering program. Graduates of non-engineering fields may be admitted to the MSE degree program (see below under MSE degree program) after completing undergraduate math and ECE courses as determined by the ECE Department.
- Undergraduate GPA of 3.0/4.0 or better. Conditional admission may be granted to students with lower GPA's, with the stipulation that they must receive a grade of B or better for the first 9 credits of graduate work. Some students may be advised to complete prerequisite or additional courses which will not count toward their degree.
- Post-baccalaureate admission. Students may enroll to meet individual needs for continuing education rather than for pursuing a degree. Enrollment as a post-baccalaureate student does not imply later approval for degree-seeking status, nor does it guarantee acceptance toward a degree of credit taken as a post-baccalaureate student.

Non-Thesis Option

1. At least 18 credits of ECE primary graduate-level engineering courses
2. Minimum of 3 credit hours of graduate level mathematics course or equivalent with advisor approval
3. At most 9 credits of graduate-level courses in engineering, math, computer science, physics, chemistry, and biology with advisor approval
4. Maximum of one independent study allowed as a related course in Plan of Study

Thesis Option

Allows a student to earn credit for conducting independent research leading to a thesis. The thesis research is undertaken and completed under the supervision of a graduate faculty member and the thesis committee. The student's thesis committee is responsible for approving the research plan, monitoring progress and reviewing the thesis prior to acceptance. Thesis option is normally available to students only after their completion of 9 credit hours with an overall grade point average of 3.0 or better in the degree program.

- 9 thesis research credit hours
- At least 18 credits of ECE primary graduate level engineering courses
- Six of thesis hours are considered as part of primary courses
- Minimum of 3 credit hours of graduate level mathematics course or equivalent with advisor approval
- Maximum of one independent study allowed as a related course in Plan of Study
- Updated requirements can also be found at webs.purduecal.edu/ece/engineer-ing-graduate-program/graduation-requirements.

List of Some Primary ECE Courses

- ECE 50100 - Introduction to Digital Processing of Speech Signals
- ECE 50500 - Networking Programming
- ECE 50600 - Biomedical Instrumentation Design
- ECE 50700 - Introduction to Biomedical Imaging
- ECE 50900 - Advanced Electric Drives
- ECE 51200 - Power Systems
- ECE 51900 - Control Theory II
- ECE 53800 - Digital Signal Processing I
- ECE 54700 - Introduction to Computer Communication Networks
- ECE 56900 - Introduction to Robotic Systems
- ECE 57400 - Software Engineering Methodology
- ECE 58900 - State Estimation and Parameter Identification of Stochastic Systems
- ECE 59500 - Selected Topics in Electrical Engineering (Advanced MATLAB)
- ECE 59500 - Selected Topics in Electrical Engineering (Power Electronics)
- ECE 59500 - Selected Topics in Electrical Engineering (Renewable Energy)
- ECE 59500 - Selected Topics in Electrical Engineering (Energy Systems)
- ECE 59500 - Selected Topics in Electrical Engineering (Image Processing)
- ECE 59500 - Selected Topics in Electrical Engineering (Intelligent Systems)
- ECE 59500 - Selected Topics in Electrical Engineering (Neural Networks)
- ECE 59500 - Selected Topics in Electrical Engineering (Pattern Recognition)
- ECE 59500 - Selected Topics in Electrical Engineering (Computer Graphics)
- ECE 59500 - Selected Topics in Electrical Engineering (Digital Communication)
- ECE 59500 - Selected Topics in Electrical Engineering (Information Theory)
- ECE 59500 - Selected Topics in Electrical Engineering (Simulation and Visualization)

List of Some Related Courses

- ECE 51600 – Adv. Engineering Project Management
- ECE 51400 - Advanced Engineering Economics
- ECE 50300 - Numerical Methods in Engineering
- ECE 52501 - Statistical Concepts in Engineering
- ECE 52701 - System Engineering

Total 30 Credits Required

Engineering, MSE

Purdue University Northwest offers graduate Interdisciplinary Engineering leading to a Master of Science in Engineering degree. Courses are available in computer, electrical, mechanical, civil, metallurgical, and industrial engineering. The program has the flexibility to allow students to elect courses in one or several engineering disciplines. Teaching and research assistantships are available to qualified graduate students.

Special Admission Requirements

- Bachelor's degree in Engineering from an institution accredited by the Engineering Accreditation Commission of the Accreditation Board for Engineering and Technology (EAC/ABET). Other students having adequate mathematical preparation with bachelor's degrees in non-engineering fields may be admitted on a conditional basis – they must complete 18-27 undergraduate credits in the engineering field of their choice with a GPA of 3.0/4.0 or better before being considered for full admission to the Master of Science in Engineering program.
- Undergraduate GPA of 3.0/4.0 or better. Conditional admission may be granted to students with lower GPA's, with the stipulation that they must receive a grade of B or better for the first 9 credits of graduate work. Some students may be advised to complete prerequisite or additional courses which will not count toward their degree.
- Post-baccalaureate admission. Students may enroll to meet individual needs for continuing education rather than for pursuing a degree. Enrollment as a post-baccalaureate student does not imply later approval for degree-seeking status, nor does it guarantee acceptance toward a degree of credit taken as a post-baccalaureate student.

Degree Requirements

1. Non-thesis Option: 30 semester credits.
2. Thesis Option: 30 semester credits, with 9 credits for the thesis research.
3. GPA of 3.0/4.0 for all courses on the approved plan of study. Some advisory committees may require grades higher than C in specific courses.
4. An advisory committee with at least three members and at least one member to represent a related engineering area. Students will consult with a major advisor assigned upon admission.
5. A plan of study established in consultation with the major advisor or professor and reviewed by members of the advisory committee, and the chair of the Graduate Committee.

Credit for Pre-Admission Course Work: a maximum of 12 semester credits of courses with grades of B or better and satisfying course requirements on the approved plan of study may be used, subject to approval of the student's advisory committee. This limit applies to all pre-admission course work, including post-baccalaureate credit at Purdue, undergraduate excess credit, and transfer credit.

Time limit on reentry: A new plan of study must be approved if a student is inactive in the program for five years, usually excluding courses previously taken.

Total 30 Credits Required

English, MA

English, MA

Special Admission Requirements

- Writing sample
- Strong undergraduate major or minor in English or equivalent

Program Requirements

- ENGL 50100 - Introduction to English Studies
- Thirty (30) additional credits at the graduate level.

English Electives

A student may take a combination of up to six hours credit in either two non-English graduate courses or one non-English graduate course and one English course at the 40000 level. The student must take MA Comprehensive Exams or write a MA thesis (see below).

Exam and Thesis Options

Every MA student must either write a thesis or pass comprehensive exams.

1. Comprehensive Exams - Exams are given to students in their final semester in the MA program based on their coursework. A plan of study must be submitted to the Graduate School Office one semester prior to writing MA exams.
2. Thesis - The student should choose a professor to serve as thesis chair and two other professors to serve on the thesis committee, and complete ENGL 59000 (a directed study preparing a bibliography and prospectus) and ENGL 69800 (writing the thesis). These courses count as credits towards the degree. Please see the Department of English and Philosophy's website for additional information about admission and remaining in good standing with the department.

Total 33 Credits Required

Expressive Arts Counseling

This grouping of courses is only open to graduate students in counseling and to counselors and social workers for the purpose of professional development. Note: These classes can be used for licensure renewal and as electives, but they do not lead to licensure as an expressive arts counselor.

Note: Completed coursework will be listed on a transcript; however this is an informal program. Completion of this group of courses does not award a degree or formal certificate.

Program Requirements

- EDPS 59100 - Special Topics in Education (Symbolism in Expressive Arts Therapy)
- EDPS 51200 - Expressive Arts: Painting, Poetry, and Dreams
- EDPS 50900 - Expressive Arts: Music, Movement, and Spiritual Expression
- EDPS 51100 - Expressive Arts Professional Project: Healing Through the Arts

Note

Check the website <http://academics.pnw.edu/education/> for additional Graduate Program options.

- The graduate program in Educational Administration will be approved and open for admissions soon.
- The graduate program in Instructional Technology will be approved and open for admissions soon.

Total 12 Credits Required

History, MA

The Purdue University Northwest Master's degree program in History is designed to stimulate critical thinking, broaden historical knowledge, and enhance research and analytical writing skills. The program is well-suited for social studies and history teachers who wish to enhance their teaching by keeping current in their fields, in addition to students who wish to continue their studies at the Ph.D. level. Critical thinking, research, and analytical skills acquired through this program also prepare students for careers in business, law, public policy, and government.

Special Admission Requirements

- Scores from the Graduate Record Exam or GRE (at the discretion of the department) may be required. The GRE is mandated for students with an undergraduate GPA below 3.0/4.0.
- An undergraduate History major or a strong minor.
- Completion of the application process (submission of official transcripts of all undergraduate work, three recommendations, a 300 to 500-word essay on why the student wishes to attend graduate school and a completed on-line application form). The student may take as many as 12 credits in a temporary or post-baccalaureate status prior to being admitted to the program.

Program Requirements for Non-Thesis Option

Primary Area (27 Credits)

Related Area (6 Credits)

Related areas need not be in History. All classes must be 50000- or 60000-level.

History Electives

At least 12 credits of History at 60000 level. Written and/or oral comprehensive examinations after completion of coursework.

Program Requirements for Thesis Option

Primary Area (24-27 Credits)

Related Area (6 Credits)

Related areas need not be in History. All classes must be 50000- or 60000-level.

History Electives

At least 9 credits of History at 60000 level, plus HIST 69800 - Research MA Thesis. Written and/or oral comprehensive examinations after completion of coursework. Completion of a thesis, and defense of thesis in accordance with criteria of the Graduate School.

Transfer of Credit

No more than two courses from another accredited institution.

Total 33 Credits Required

LMHC Track, Mental Health Counselor License

For those school counselors who also have taken the additional courses required for licensure as a mental health counselor in Indiana. Dr. Hollingsworth will review school counseling transcripts to assure the courses are met for the LMHC. The LMHC track is specifically designed to meet the needs of school counseling graduates that currently hold our 51-credit hour master's degree. The LMHC program builds on our 51-credit hour program for school counselors.

This 12 credit hour track aligns with the State of Indiana standards for the LMHC license. The program consists of three content courses, each 3 credits, and an advanced internship placement (300 hours/3 credits) in a mental health site. Students may need to travel for internship sites. It is the state licensure board's decision as to eligibility for the LMHCA and LMHC.

Program Requirements

- EDPS 50300 - Introduction to Mental Health Counseling
- EDPS 52100 - Counseling and Psychopathology
- EDPS 53900 - Ethics and Professional Identity for Mental Health Counselors
- EDPS 69500 - Internship in Education (in a mental health setting/3 credits/300 hours)

Total 12 Credits Required

Please note: You must have 60 credit hours on your transcript, including 9 credits of internship to be eligible for licensure as a LMHCA or LMHC in Indiana. Visit our website to obtain additional information about the requirements for licensure as a mental health counselor.

Master Business Administration - Executive, MBA

The program effectively requires that all graduate students complete a minimum of 42 graduate credit hours.

1. The EMBA is a lock-step program that consists of 42 credit hours. Students complete the requirements of the degree in 15 months.
2. Students may start the program in September (Fall).
3. Courses are offered in 5- and 10-week modules. All course are offered on Saturdays.

Admission Requirements

1. Proof of baccalaureate degree with a graduate index of 3.0/4.0.
2. Five years of professional or managerial work experience.
3. Recommended: College Algebra or Finite Mathematics

Degree Requirements

- MGMT 51300 - Economics for Managers
- MGMT 57000 - Spreadsheet Modeling and Simulation
- MGMT 60000 - Accounting for Managers
- MGMT 61100 - Advanced Corporate Finance
- MGMT 62000 - Marketing Management
- MGMT 63000 - Legal and Social Foundations of Management
- MGMT 64000 - International Business
- MGMT 64700 - International Business Practicum
- MGMT 65000 - Strategic Management I
- MGMT 66000 - Introduction to Operations Management
- MGMT 66400 - Supply Chain Management
- MGMT 67000 - Business Analytics
- MGMT 68300 - Information Technology for Innovations and Competitive Advantage
- MGMT 69000 - Advanced Problems in Management
- OBHR 66200 - Leadership
- OBHR 68100 - Managing Behavior in Organizations

Total 42 Credits Required

Master Business Administration - Professional, MBA

The program effectively requires that all graduate students complete a minimum of 42 graduate credit hours.

1. The PMBA is a lock-step program that consists of 42 credit hours. Students complete the requirements of the degree in two years.
2. Students may start the program in either August (Fall) or January (Spring).
3. Courses are offered in 8- and 16-week modules. All course are offered in the evening.

Admission Requirements

1. Proof of baccalaureate degree with a graduate index of 3.0/4.0.
2. Three years of professional work experience.
3. Recommended: College Algebra

Degree Requirements

- MGMT 51300 - Economics for Managers

- MGMT 59000 - Directed Readings in Management - Practicum 1 (Management)
- MGMT 59000 - Directed Readings in Management - Practicum 2 (Operations/MIS)
- MGMT 59000 - Directed Readings in Management - Practicum 3 (Marketing)
- MGMT 59000 - Directed Readings in Management - Practicum 4 (Finance)
- MGMT 60000 - Accounting for Managers
- MGMT 61100 - Advanced Corporate Finance
- MGMT 61200 - Financial Management III
- MGMT 62000 - Marketing Management
- MGMT 63000 - Legal and Social Foundations of Management
- MGMT 64000 - International Business
- MGMT 65000 - Strategic Management I
- MGMT 66000 - Introduction to Operations Management
- MGMT 67000 - Business Analytics
- MGMT 67200 - Advanced Business Analytics
- MGMT 68300 - Information Technology for Innovations and Competitive Advantage
- OBHR 63300 - Human Resource Management
- OBHR 66200 - Leadership

Total 42 Credits Required

Master Business Administration, MBA

The program effectively requires that all graduate students complete a minimum of 45 graduate credit hours.

4. The MBA program consists of 45 credit hours of Graduate courses. Students may complete the requirements of the degree typically in two years.
5. Students may start the program in either August (Fall), January (Spring), or May (Summer).
6. Courses are offered in 8- and 16-week modules. All course are offered in the evening.

Admission Requirements

1. Proof of baccalaureate degree with a graduate index of 3.0/4.0 and satisfactory performance on the GMAT examination, with a minimum score of 500.
2. Capacity for management responsibility.
3. Recommended: College Algebra

Degree Requirements

Foundation Courses (19 Credits)

- MGMT 51300 - Economics for Managers
- MGMT 60000 - Accounting for Managers
- MGMT 61100 - Advanced Corporate Finance
- MGMT 63000 - Legal and Social Foundations of Management

- MGMT 64000 - International Business
- MGMT 67000 - Business Analytics
- MGMT 68300 - Information Technology for Innovations and Competitive Advantage
- OBHR 63300 - Human Resource Management
- OBHR 68100 - Managing Behavior in Organizations

Business Core Courses (14 Credits)

- MGMT 61200 - Financial Management III
- MGMT 62000 - Marketing Management
- MGMT 66000 - Introduction to Operations Management
- MGMT 67200 - Advanced Business Analytics
- MGMT 65000 - Strategic Management I

Elective Courses (12 Credits)

Any approved 50000 or 60000 level courses offered by the College of Business.

Concentrations Offered

MBA/Information Systems

Foundation and Business Core Courses (33 credit hours) plus four concentration courses (12 credit hours) chosen from the list below:

- MGMT 54400 - Database Management Systems
- MGMT 54600 - Decision Support and Expert Systems
- MGMT 57000 - Spreadsheet Modeling and Simulation
- MGMT 59000 - Directed Readings in Management (Advanced E-Business Applications)
- MGMT 59000 - Directed Readings in Management (Advanced Project Management)
- MGMT 59000 - Directed Readings in Management (Advanced E-Business Strategy)
- MGMT 59000 - Directed Readings in Management (Advanced Systems Analysis and Design)
- MGMT 59000 - Directed Readings in Management (Advanced Excel Applications)
- MGMT 66400 - Supply Chain Management
- Or other courses approved by the MBA Director

MBA/Accounting

Foundation and Business Core Courses (33 credit hours) plus four concentration courses (12 credit hours) chosen from the list below:

- MGMT 50100 - Advanced Taxation
- MGMT 50300 - Advanced Accounting
- MGMT 50500 - Management Accounting II

- MGMT 50600 - Auditing
- MGMT 50900 - International Accounting
- MGMT 51500 - Fraud Investigation
- MGMT 59000 - Directed Readings in Management (Governmental & Non-For-Profit Accounting)
- MGMT 59000 - Directed Readings in Management (Accounting Communications)
- MGMT 59000 - Directed Readings in Management (Corporate Governance & Ethics)
- MGMT 59000 - Directed Readings in Management (Advanced Financial Reporting)
- Or other courses approved by the MBA Director

Transfer of Credit

Undergraduate credits may not be used to satisfy master's degree requirements. Transfer credits, in general, are not accepted. In exceptional cases, however, graduate credits not exceeding six hours may be transferred into the program. Exceptional cases are individually considered by the Graduate Committee. Transfer credits are allowed only after one semester of satisfactory work in residence at Purdue University Northwest. The minimum grade for transfer credits is a B.

Total 45 Credits Required

Master of Accountancy, MACC

The program effectively requires that all graduate students complete a minimum of 30 graduate credit hours.

1. The MBA program consists of 30 credit hours of Graduate courses. Students may complete the requirements of the degree in one – two years.
2. Students may start the program in either August (Fall), January (Spring), or May (Summer).
3. Courses are offered in 16-week modules. All course are offered in the evening.

Admission Requirements

1. Admission requires an undergraduate degree with a major or concentration in accounting, a graduate index of 3.0/4.0 and satisfactory performance on the GMAT examination if undergraduate GPA is less than 3.20 on a 4.0 scale. Applicants may request a waiver of the GMAT requirement under special circumstances.
2. Applications from students whose undergraduate degree major is not accounting may be considered provided that they have completed a sufficient number and variety of accounting courses to satisfy the prerequisites for the master's level courses required by the program.

Degree Requirements

- MGMT 50100 - Advanced Taxation
- MGMT 50300 - Advanced Accounting
- MGMT 50500 - Management Accounting II
- MGMT 50600 - Auditing
- MGMT 50900 - International Accounting
- MGMT 51500 - Fraud Investigation
- MGMT 59000 - Directed Readings in Management

- MGMT 59000 - Governmental & Non-For-Profit Accounting
- MGMT 59000 - Accounting Communication
- MGMT 59000 - Advanced Financial Reporting
- MGMT 59000 - Corporate Governance & Ethics
- Or other graduate level courses approved by the Master of Accountancy Advisor

Total 30 Credits Required

Mathematics, MS

Mathematics, MS

The Master of Science in Mathematics is designed to provide students with a course of study that will enhance their knowledge of the fundamental areas of the mathematical sciences. The elective courses allow each student to add the emphasis which most fits with that student's academic and career plans.

Special Program Requirements

1. No more than six credits of coursework with grade of "C." "B" average must be maintained.
2. All courses taken as a temporary student must post grades of "A" or "B."
3. Plan of Study submitted to Student's Advisory Committee before the end of nine semester credits; must be approved by the Graduate School before the student registers for the semester in which the degree is to be awarded.

Degree Requirements

Core Courses

- MA 52500 - Introduction to Complex Analysis
- MA 54000 - Analysis I
- MA 54100 - Analysis II
- MA 55300 - Introduction to Abstract Algebra
- MA 55400 - Linear Algebra

Statistics

One approved course

Approved Electives

(5 courses)

Up to six credits may be chosen from approved courses in other departments.

Transfer of Credit

No more than three courses accepted from other institutions.

Total 33 Credits Required

Mechanical Engineering, MSME

The MSME degree program requires a total of 30 credit hours to be completed, with thesis or non-thesis option. It is anticipated that the degree may be completed in two years of full time graduate study. To earn the Master of Science in Mechanical Engineering (MSME) degree, students must complete 30 credit hours, with an aggregate minimum grade point average of 3.0 for the courses listed in the Plan of Study.

Assistantships

Teaching and research assistantships are available to qualified graduate students.

Course Requirements

One advanced mathematics course (3 credit hours) at the 500-level taught by either the mathematics department or one of the engineering departments is required for both thesis and non-thesis options.

Thesis Option

Thesis option allows a student to earn credit for conducting independent research leading to a publishable report or thesis. This option requires 21 credit hours of advanced ME/mathematics coursework and a minimum of 9 credit hours of thesis research work.

The thesis research is undertaken and completed under the supervision of a graduate faculty member and the thesis committee. The student's thesis committee is responsible for approving the research plan, monitoring progress and reviewing the thesis prior to acceptance.

Thesis option is normally available to students only after their completion of 9 credit hours with an overall grade point average of 3.0 or better in the degree program.

- 3 credit hours of advanced mathematics at the 500 level taught by either the mathematics department or one of the engineering departments.
- 18 credit hours (six (6) graduate courses) from the approved list of mechanical engineering primary courses (thermo-fluids, dynamics, structural mechanics and machine design).
- 9 credit hours of research

Non-Thesis Option

The course requirements are divided into three categories:

1. 3 credit hours of advanced mathematics at the 500-level taught by either the mathematics department or one of the engineering departments,
2. 24 credit hours (8 graduate courses) from the approved list of ME primary (thermofluids, dynamics, structural mechanics, machine design) courses, and
3. 3 credit hours (one course) from a list of approved courses in engineering, mathematics, statistics, computer science, physics, and life sciences. Any exceptions to the above requirements must be approved by the graduate committee.

List of Some Primary ME Courses

- ME 59700 - Advanced Mechanical Engineering Projects I
or
- CE 57000 - Advanced Structural Mechanics
- ME 59700 - Advanced Mechanical Engineering Projects I (Finite Element Analysis)
- ME 56300 - Mechanical Vibrations
- ME 59700 - Advanced Mechanical Engineering Projects I (Musculoskeletal Biomechanics)
- ME 59700 - Advanced Mechanical Engineering Projects I (Theory of Plates and Shells)
- ME 50200 - Numerical Heat and Mass Transfer
- ME 59700 - Advanced Mechanical Engineering Projects I (Computational Fluid Dynamics (CFD))
- ME 51900 - Introduction to Wind Energy
- ME 52100 - Air Quality Modeling
- ME 52400 - Design and Analysis-Heating Ventilation and Air Conditioning
- ME 52300 - Electronics System Cooling
- ME 58300 – Design of Heat Exchangers
- ME 51100 – Combustion
- ME 59700 - Advanced Mechanical Engineering Projects I (Two Phase Flow and Heat Transfer)
- ME 59700 - Advanced Mechanical Engineering Projects I (Matrix Analysis of Structures)
- ME 59700 - Advanced Mechanical Engineering Projects I (Modeling of Micro/Nano Systems)
- ME 59700 - Advanced Mechanical Engineering Projects I (Vehicle Dynamics)
- ME 50000 - Advanced Thermodynamics
- ME 50500 - Intermediate Heat Transfer
- ME 50900 – Fluid Properties
- ME 51300 - Engineering Acoustics
- ME 56000 - Kinematics
- ME 57500 - Theory and Design of Control Systems
- ME 58700 - Engineering Optics

List of Some Related Courses

- ME 59700 - Advanced Mechanical Engineering Projects I (Materials Selection for Design)
- ME 59700 - Advanced Mechanical Engineering Projects I (Numerical Methods for Engineers)
- ME 59700 - Advanced Mechanical Engineering Projects I (Optimization and Simulation Models)
- ME 59700 - Advanced Mechanical Engineering Projects I (Energy System)
- ME 59700 - Advanced Mechanical Engineering Projects I (Solid Waste Management)
- ME 54300 - Advanced Engineering Economics
- ME 51600 - Advanced Engineering Project Management
- ME 59700 - Advanced Mechanical Engineering Projects I (Adv. Mechanical Engineering Projects I)

- ME 53400 - System Engineering
- ME 51500 - Quality Control

Total 30 Credits Required

Modeling, Simulation and Visualization, MS

A 30-credit hour interdisciplinary Master of Science degree program, the MSV Master of Science degree prepares students in a variety of fields to use modeling, simulation and visualization tools and skills. Students with undergraduate education in science, technology, computer science, engineering, medical/healthcare, and management may be interested in the degree. MSV skills may be used by designers, engineers, technologists, business intelligence developers, software consultants and other professionals in many additional fields, including transportation, healthcare and management.

Program Requirements

The program consists of 30 credit hours, with 18 hours of core courses, 9 hours of electives, and one capstone project (3 credits).

Core Courses (18 Credits)

- MGMT 55100 - Unified Modeling Language
- MSV 56500 - High Performance Computing
- MSV 56700 - Simulation Techniques
- MSV 57500 - Software Project Management
- MSV 57600 - Design and Analysis of Simulation Experiments
- MSV 57700 - Visualization Techniques

Elective Courses (9 Credits)

A number of graduate level courses are available for use as electives; electives are approved by the student's graduate committee for inclusion in the plan of study.

Capstone Course (3 Credits)

- TECH 59800 - Directed MS Project (taken in two phases, across two semesters)

Total 30 Credits Required

Nursing Practice, DNP

The Doctor of Nursing Practice (DNP) program prepares nurses to lead transformative change in healthcare. Graduates acquire scientific, organizational, leadership and economic knowledge that allows them to plan, manage and deliver cost-effective, evidence based care.

We offer the DNP degree in collaboration with two other campuses in the Purdue University system: West Lafayette and Fort Wayne. Each campus in the collaborative DNP program has a specific area of concentration. The DNP concentration offered at Purdue University Northwest is Translation Science.

Preparation in the science of translation will enable DNP program graduates to become experts in searching for, appraising, synthesizing, transferring, and applying evidence. Graduates will also become experts in evaluating the impact of evidence on outcomes.

Admission Requirements

Graduation from an accredited program with a master's degree in nursing.

Grades in all previous Master's coursework of "B" or better.*

Current U.S. RN (registered nurse) license in the state in which practice will occur.

Evidence of successful completion of an introductory statistics course within the last 5 years.*

Personal interview (will be scheduled following submission of application and all related documents).

*Note: Applicants not meeting this criterion may be considered for conditional admission status.

Special Graduation Requirements

Final graduation grade point average of a "B" or better on the approved Plan of Study. Minimum grade of "B" in all core and specialty required nursing courses.

Required Courses

Advanced Practice Nursing/MS Core Courses

Note: The following courses may be waived if student has successfully completed a comparable graduate course prior to application to this program from an institution that has been accredited by CCNE or ACEN.

- NUR 50200 - Pharmacotherapeutics for Advanced Practice Nursing
- NUR 50300 - Advanced Health Assessment
- NUR 50700 - Physiologic Concepts for Advanced Practice Nursing

DNP Leadership Courses

- NUR 52500 - Informatics in Nursing *
- NUR 63200 - Health Policy Local to Global
or

- NUR 65600 - Healthcare Organization, Policy and Economics *
- NUR 62500 - History, Ethics, and Innovations in Healthcare Delivery Systems
- NUR 67800 - Healthcare Economics and Finance

Note

* If course taken as part of MS degree, will be replaced by elective

DNP Evidence Based Practice Courses

- NUR 59900 - Special Topics/Independent Study in Nursing
- NUR 62400 - Evidence Based Practice
- NUR 62600 - Applied Biostatistics for Outcome Evaluation
- NUR 64200 - Systems Approaches in Healthcare Engineering
- NUR 67300 - Health Policy Residency

DNP Cognate/Inquiry Courses

- NUR 67600 - Knowledge Translation for Transforming Healthcare
- NUR 59900 - DNP Cognate Residency I
- NUR 59900 - Clinical Independent study
(Up to 5 credits may be required if MS program contained fewer than 500 practicum hours)
- NUR 68700 - DNP Practice Inquiry I
- NUR 68900 - DNP Practice Inquiry II

Total 38 Credits Required

The DNP program is a 38 credit hours post-Master's degree. Additional hours may be required depending on the master's degree curriculum.

Nursing, MS

Students select between the Adult-Gerontology Clinical Nurse Specialist (47 credits) and Family Nurse Practitioner (47 credits) options. Full-time study requires six semesters including summer; part-time study options are available.

Admission Requirements

1. Graduation from an accredited baccalaureate program in nursing.
2. Evidence of current United States registered nurse licensure nurse licensure.
3. Minimum undergraduate cumulative GPA of 3.0/4.0
4. Basic physical assessment course.
5. Introductory statistics course (within five years prior to admission).
6. Criminal background check clearance (Information about testing to be obtained through College of Nursing.)

An applicant who does not meet one or more of the admission requirements may be considered for conditional admission status. In addition to the preceding requirements for admission, the College of Nursing adheres to Purdue University Graduate School Admission policies regarding English as a foreign language.

Special Graduation Requirements

Final graduation grade point average of a "B" or better on the approved Plan of Study. Minimum grade of "B" in all core and specialty required nursing courses. The program must be completed within 6 years following admission.

Advanced Practice in Nursing Core Courses

(Applies to all Masters-level study options)

- NUR 52500 - Informatics in Nursing
- NUR 53100 - Theoretical and Ethical Reasoning in Advanced Practice Nursing
- NUR 50100 - Foundations of Advanced Practice in Nursing
- NUR 50500 - Sociocultural Influences on Health
- NUR 51000 - Research and Evidence Based Nursing Practice
- NUR 51100 - Health Promotion for Advanced Practice in Nursing
- NUR 65600 - Healthcare Organization, Policy and Economics

Additional Clinical Nurse Specialist and Family Nurse Practitioner Core Courses

- NUR 50200 - Pharmacotherapeutics for Advanced Practice Nursing
- NUR 50300 - Advanced Health Assessment
- NUR 57400 - Pathophysiologic Concepts for Advanced Practice Nursing I
- NUR 57500 - Pathophysiologic Concepts for Advanced Practice Nursing II

Specialty Courses - Adult-Gerontology Clinical Nurse Specialist Option

- NUR 60000 - Adult-Gerontology Clinical Nurse Specialist I
- NUR 60100 - Adult-Gerontology Clinical Nurse Specialist Practicum I
- NUR 61800 - Adult-Gerontology Clinical Nurse Specialist II
- NUR 62000 - Adult-Gerontology Clinical Nurse Specialist Practicum II
- NUR 65800 - Adult-Gerontology Clinical Nurse Specialist Practicum III: Clinical Synthesis

Specialty Courses - Family Nurse Practitioner Option

- NUR 61100 - Primary Care of the Young Family
- NUR 61300 - Primary Care of the Young Family Practicum
- NUR 62200 - Primary Care of the Aging Family
- NUR 62300 - Primary Care of the Aging Family Practicum
- NUR 65700 - FNP Practicum: Clinical Synthesis

Total 47 Credits Required

Technology, MS

The Master of Science in Technology degree offered by Purdue University Northwest, Hammond, Indiana, prepares students to become leaders in technology disciplines. The program allows students pursue an advanced degree in a focus technology discipline, with the flexibility to pursue interdisciplinary interests and develop leadership skills based on ethics and an understanding of global issues affecting technology. Graduates of the Purdue University Northwest, Hammond, Indiana. Master of Science in Technology degree will not only understand leading-edge concepts, but also be able to strategically apply them. Designed to allow students to achieve their career objectives, the program is a flexible, directed project (33-hours) or coursework based (30-hours) plan of study in which students can choose their concentration in one of many of the College of Technology disciplines, or an approved interdisciplinary area. Currently, students could choose any of the following concentrations:

- Computer Information Technology
- Electrical Engineering Technology
- Industrial Engineering Technology
- Mechanical Engineering Technology
- Mechatronics Engineering Technology
- Technology Leadership & Management

Purdue University Northwest's approach of merging technology with other areas of study and allowing students to customize their course of study means that students in the program can study interdisciplinary and specialized aspects of their fields. This broad-based, flexible degree produces graduates who can enter the marketplace with a distinct and sought-after advantage.

Program Requirements

Three Core Courses (9 Credits)

- IT 50700 - Measurement and Evaluation in Industry and Technology
- IT 50800 - Quality and Productivity in Industry and Technology
- TECH 64600 - Analysis of Research in Industry and Technology

Four Concentration Courses (12 Credit)

12 credit hours in the area of concentration

Three Courses in Technical Electives (9 Credits)

A directed project for students choosing this option – The project focuses on an applied research issue in the student's area of interest. The 3-credit hour directed MS project will be taken in two phases, across two semesters.

Admission Requirements for Degree-seeking Students

Admission will be based on the following criteria and documentation:

- B.S. from an accredited technology program or related fields.
- Undergraduate GPA of 3.0 or greater based on a 4.0 scale.
- Official transcripts from every institution of higher learning attended uploaded to application
- Appropriate experience as documented in a resume.
- A goal statement or statement of purpose commensurate with the program and faculty strengths.
- Three letters of recommendation from academic or professional references (Recommendations from friends or family members are not given weight).
- GRE is not required for the MS Technology degree, but may be considered for those applicants who do not meet the minimum GPA for unconditional admission.
- Students who do not meet the requirements for unconditional admission may be considered for conditional admission.
- International degree-seeking applicants whose native language is not English are required to submit Test of English as a Foreign Language (TOEFL), or International English Language Testing System (IELTS) scores or Purdue Northwest's English Language Program (ELP). ELP is an academic, intensive English program that aims primarily at assisting international students in developing their English language proficiency to the level needed to pursue their education at Purdue University Northwest.

Technology Leadership and Management (online)

The Online MS Degree in Technology – Leadership and Management concentration is expected to prepare students to manage and lead in technology professions. It will allow students who currently have a technology area undergraduate degree, or work in a technical field, to acquire skills to prepare them for managerial or leadership roles in their area. Emphasis is placed on preparing students for technical leadership positions in business and industry, faculty positions in technology and engineering technology at community college and university levels, or to continue for a Ph.D. in technology or a closely related field.

Plan of Study

All required coursework for this major will be offered via distance education technology over an eighteen month to two-year period. Students who drop out of sequence will be able to take the course with the next cohort group, but will lengthen the time to complete the degree.

Curriculum Plan (12 Hours)

(3 cr. hrs. each) currently required courses for the MS Degree in Technology

- IT 50700 - Measurement and Evaluation in Industry and Technology
- IT 50800 - Quality and Productivity in Industry and Technology
- TECH 64600 - Analysis of Research in Industry and Technology

Additional Courses Required for the Requested Concentration (21 Hours)

- IT 57100 - Project Management in Industry and Technology
- IT 53500 - Global Supply Chain Management
- OLS 58900 - Leadership and Ethics
- IET 51000 - Product and Process Development Optimization
- MET 52700 - Technology from a Global Perspective
- OLS 58000 - Interpersonal Skills for Leaders
- OLS 58800 - Strategic Planning and Marketing for Technology

Total

30 credit hours for MS degree in Technology with concentration in Technology Leadership & Management

Total 30-33 Credits Required

Certificate

Addiction Counseling Graduate Certificate

Special Requirements

- Only candidates accepted into the certification program or any program within the Department of Counseling & Development may enroll in these courses. Enrollment is strictly limited to these programs.
- The courses must be completed with a grade of B or better. A grade of C in any course will be grounds for dismissal from the certification program in addiction counseling.
- Courses need NOT be taken sequentially.
- A limited criminal history check must be submitted by each student before his/her first class.

Program Requirements

- EDPS 59100 - Special Topics in Education (Theories of Addiction Counseling and Psychopharmacology)
- EDPS 59100 - Special Topics in Education (Seminar I: Diversity, HIV/AIDS, and Dual Diagnosis)
- EDPS 59100 - Special Topics in Education (Seminar II: Ethics, Criminal Justice, and Social Systems)
- EDPS 59100 - Special Topics in Education (Recovery and Relapse)
- EDPS 59100 - Special Topics in Education (Techniques of Addiction Counseling: Counseling Skills, Groups and Processes)
- EDPS 59100 - Special Topics in Education (Practicum)

Total 18 Credits Required

Adult-Gerontology Clinical Nurse Specialist Post-Master's Certificate

The purpose of the Adult-Gerontology Clinical Nurse Specialist Certificate Programs at Purdue University Northwest will be to provide Clinical Nurse Specialist (CNS) preparation to qualified Master's prepared nurses. CNSs are advanced practice nurses who are uniquely prepared to meet complex patients' needs for expert nursing care. In addition, CNSs advance the practice of

nursing through their positive influence on nurses, nursing practice and healthcare systems. The target audience for this program includes master's prepared nurses that are interested in becoming clinical nurse specialists.

Admission Requirements

The admission process for the Adult Health or Critical Care Clinical Nurse Specialist Post-Master's Certificate Programs adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master's Degree in Nursing. Specific requirements are:

1. Master's degree in nursing from an accredited institution or admission and enrollment in a master's degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current United States nurse licensure.
4. A minimum of one year or 1500 hours of experience as a registered nurse.
5. Criminal background check clearance (Information about testing to be obtained through College of Nursing).

Completion Requirements

The certificate requires students to complete a minimum of 12 credit hours and a maximum of 30 credit hours consisting of the following courses.

Adult-Gerontology Clinical Nurse Specialist

- NUR 50200 - Pharmacotherapeutics for Advanced Practice Nursing *
- NUR 50300 - Advanced Health Assessment *
- NUR 57400 - Pathophysiologic Concepts for Advanced Practice Nursing I *
- NUR 57500 - Pathophysiologic Concepts for Advanced Practice Nursing II *
- NUR 51100 - Health Promotion for Advanced Practice in Nursing *
- NUR 60000 - Adult-Gerontology Clinical Nurse Specialist I
- NUR 60100 - Adult-Gerontology Clinical Nurse Specialist Practicum I
- NUR 61800 - Adult-Gerontology Clinical Nurse Specialist II
- NUR 62000 - Adult-Gerontology Clinical Nurse Specialist Practicum II
- NUR 65800 - Adult-Gerontology Clinical Nurse Specialist Practicum III: Clinical Synthesis

Note

*May be waived if student has taken a comparable course at Purdue University Northwest or another accredited nursing program within 5 years prior to application to this program

Total 12-30 Credits Required

Biotechnology Graduate Certificate

This post-baccalaureate Biotechnology Certificate provides students theoretical as well as laboratory training in molecular biology, genetic engineering, and related technologies which can be applied to a variety of biological fields. The certificate is

awarded after successful completion of 6 credits of required courses and a minimum 10 credits of elective courses related to biotechnology. This program offers exceptional opportunities for individuals with a BS degree in a biological science to expand their career opportunities. Courses taken to fulfill the certificate requirements may also be applied toward the MS degree in Biology.

Plan of Study

A Plan of Study for the Graduate Biotechnology Certificate Program (GS Form 6) must be completed and approved by the Advisory Committee and the Graduate Coordinator one semester prior to the completion of the certificate program.

Certificate Requirements

Required Courses (6 Credits)

- BIOL 50700 - Principles of Molecular Biology
- BIOL 50800 - Recombinant DNA Techniques

Elective Courses (10 Credits Minimum)

- BIOL 52500 - Principles of Neurobiology
- BIOL 53300 - Medical Microbiology
and
- BIOL 53400 - Laboratory in Medical Microbiology
- BIOL 56100 - Immunology
- BIOL 56600 - Developmental Biology
- BIOL 59500 - Special Assignments – Biotechnology related topics include but not limited to: Bioinformatics - Credits Hours: 3.00 Environmental Microbiology - Credits Hours: 3.00 Food Microbiology - Credits Hours: 5.00 Research - Credits Hours: variable

Total 16 Credits Required

Database Integration Technology Graduate Certificate

Certificate Requirements

Any Four (4) of the following Five (5) Courses

- ITS 56000 - Database Management Security
- ITS 56200 - Database Administration
- ITS 56400 - Datawarehousing and Business Intelligence

- ITS 56600 - Database Object-Oriented Modeling and Architecture
- ITS 56800 - Database Application Integration

Total 12 Credits Required

Early Childhood Development Post-Baccalaureate Certificate

Early Childhood Development Post-Baccalaureate Certificate

This certificate is available to students with baccalaureate degrees who are already working with young children, either as family child care providers, or in various center-based capacities, including teaching or administration. It will provide immediate and substantial support to providers coming to the field from other areas of study. The certificate includes coursework in child development, observation and curriculum preparation, and requires supervised practical experience.

Program Requirements

Core Requirements

- PSY 36100 - Human Development I: Infancy and Childhood
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)
- HDFS 21600 - Introduction to Early Childhood Education
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)
- HDFS 21700 - Issues in Early Childhood Education
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)
or
- HDFS 34000 - Teaching Very Young Children With Special Needs (elective)
- HDFS 30800 - Language and Literature in Early Childhood
- HDFS 47000 - Supervised Experience in Early Childhood Programs

For Acting Administrators

- PSY 36100 - Human Development I: Infancy and Childhood
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)

- HDFS 21600 - Introduction to Early Childhood Education
or
- HDFS 30501 - Art, Music and Movement in Early Childhood (elective)
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)

- HDFS 21700 - Issues in Early Childhood Education
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)

- HDFS 30800 - Language and Literature in Early Childhood
- HDFS 33201 - Child Care Administration
- HDFS 47000 - Supervised Experience in Early Childhood Programs

For Family Childcare Providers

- PSY 36100 - Human Development I: Infancy and Childhood
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 43101 - Techniques of Human Assessment (elective)

- HDFS 21600 - Introduction to Early Childhood Education
or
- HDFS 30501 - Art, Music and Movement in Early Childhood
or
- HDFS 22800 - Developmental Infant and Toddler Care

- HDFS 21700 - Issues in Early Childhood Education
or
- HDFS 42100 - Children's Social Development (elective)
or
- HDFS 22800 - Developmental Infant and Toddler Care (elective)

- HDFS 30800 - Language and Literature in Early Childhood
- HDFS 31001 - Math, Science, and Social Studies in Early Childhood
- HDFS 47000 - Supervised Experience in Early Childhood Programs

Possible Electives

- HDFS 42100 - Children's Social Development
- HDFS 30501 - Art, Music and Movement in Early Childhood
- HDFS 43101 - Techniques of Human Assessment (ExL)
- HDFS 22800 - Developmental Infant and Toddler Care
- HDFS 34000 - Teaching Very Young Children With Special Needs

Total 18 Credits Required

Note: Some students may already have coursework that approximates that of some required courses. Alternative courses should enrich the student's familiarity with the topics or issues addressed in the required courses. Alternative courses must be chosen in consultation with program advisors.

Economic Development Graduate Certificate

1. Since 2006, PNW faculty and administration have worked with the Economic Development community to explore how to improve the performance of economic development activities in the northwest Indiana region. From that work, the concept and content of an in-depth educational program emerged. The program is academically rigorous to meet graduate-level standards, yet emphasizes practical application of concepts to our region's resources and capabilities.
2. Students complete the certificate requirements in nine months.
3. Students may start the program in August (Fall).
4. Courses are offered in 10-week modules. All course are offered on Monday afternoons.

Admission Requirements

1. A bachelor's degree from an accredited college or university.

Certificate Requirements

- MGMT 59000 - Directed Readings in Management (The Competitive Advantage of a Region)
- MGMT 59000 - Directed Readings in Management (Economic and Social Analysis)
- MGMT 59000 - Directed Readings in Management (The Process of Economic Development)

Total 42 Credits Required

Engineering Project Management Graduate Certificate

Certificate Requirements

The Graduate Certificate in Engineering Project Management can be earned by completing four courses from the following graduate courses:

- Advanced Engineering Project Management (Required)
- Advanced Engineering Economics (Required)
- Quality Control
- Industrial Applications of Statistics
- Systems Engineering

All courses taken for the certificate can be used for the Master of Science in Engineering degree if admitted to that program. Admission to the certificate program requires a Bachelor's degree in Engineering or approval of the Engineering Graduate Coordinator.

Family Nurse Practitioner Post-Master's Certificate

The purpose of the Family Nurse Practitioner Certificate Program at Purdue University Northwest is to increase the numbers of family nurse practitioners prepared to provide primary care. Primary care is currently undergoing a period of expansion in order to meet the increasing healthcare needs of our nation's citizens. The post-master's certificate program at Purdue University Northwest exists to address the need for increased numbers of primary care providers. The target audience for this program includes master's prepared nurses that are interested in becoming family nurse practitioners.

Admission Requirements

The admission process for the Family Nurse Practitioner Certificate Program adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master's Degree in Nursing. Specific requirements are:

1. Master's degree in nursing from an accredited institution or admission and enrollment in a master's degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current registered nurse licensure.
4. A minimum of one year or 1500 hours of experience as a registered nurse.
5. Criminal background check clearance (Information about testing to be obtained through College of Nursing.)

Completion Requirements

Credit Hour Requirements: The certificate requires students to complete a minimum of 12 and a maximum of 30 credit hours consisting of the following courses:

- NUR 50200 - Pharmacotherapeutics for Advanced Practice Nursing *
- NUR 50300 - Advanced Health Assessment *
- NUR 57400 - Pathophysiologic Concepts for Advanced Practice Nursing I *
- NUR 57500 - Pathophysiologic Concepts for Advanced Practice Nursing II *
- NUR 51100 - Health Promotion for Advanced Practice in Nursing *
- NUR 61100 - Primary Care of the Young Family
- NUR 61300 - Primary Care of the Young Family Practicum
- NUR 62200 - Primary Care of the Aging Family
- NUR 62300 - Primary Care of the Aging Family Practicum
- NUR 65700 - FNP Practicum: Clinical Synthesis

Note

*May be waived if student has taken a comparable course at Purdue University Northwest or another accredited nursing program within 5 years prior to application to this program.

Total 12-30 Credits Required

Forensic Accounting Graduate Certificate

1. The Certificate in Forensic Accounting is designed to prepare candidates to understand how and why occupational fraud is occurring, how it can be detected or prevented, and how allegations of fraud should be professionally investigated and resolved.
2. Students may start the program in August (Fall).
3. Courses are offered in 8- and 16-week modules. All course are offered in the evening.

Admission Requirements

1. A bachelor's degree from an accredited college or university.
2. Completion of an introductory accounting course.

Certificate Requirements

- MGMT 51500 - Fraud Investigation
- MGMT 51700 - Fraud Data Analysis
- MGMT 51800 - Criminology and Legal Issues
- MGMT 51900 - Advanced Fraud Investigation

Total 12 Credits Required

Nursing Education Post-Master's Certificate

The purpose of the Post-Master's Certificate in Nursing Education Program at Purdue University Calumet is to increase the numbers of nurse educators and improve the quality of nursing education. This purpose is accomplished by: providing knowledge and experience in curriculum development; teaching methods to enable qualified master's prepared nurses to assume the role of beginning faculty; and providing faculty who wish to acquire formal academic preparation in teaching the means to do so. The target audience for this program consists of master's students and master's prepared advanced practice nurses, as well as faculty interested in continuing their formal education in teaching.

Admission Requirements

The admission process for the Post-Master's Certificate in Nursing Education adheres to Graduate School Admission policies regarding English as a foreign language and parallels that for students seeking a Master's Degree in Nursing. Specific requirements are:

1. Master's degree in nursing from an accredited institution or admission and enrollment in a master's degree program in nursing.
2. Minimum graduate GPA of 3.0/4.0 with the possibility of conditional admission for applicants who do not meet this requirement.
3. Evidence of current registered nurse licensure.
4. Criminal background check clearance (Information about testing to be obtained through College of Nursing.)

Completion Requirements

The certificate requires students to complete 10 credit hours consisting of the following existing courses:

- EDCI 57200 - Introduction to Learning Systems Design
- NUR 66000 - Curriculum Development in Nursing
- NUR 66200 - Teaching Strategies for Nursing

Total 10 Credits Required

Organizational Leadership and Supervision Graduate Certificate

Certificate Requirements

Four (4) Courses

- OLS 58900 - Leadership and Ethics
- OLS 58000 - Interpersonal Skills for Leaders
- OLS 58800 - Strategic Planning and Marketing for Technology

Plus any one of the following:

- OLS 48600 - Management of Change
- OLS 48500 - Leadership for Team Development
- OLS 45400 - Gender and Diversity in Management
- or additional OLS graduate courses (50000 level)

Total 12 Credits Required

Six Sigma for Business and Industry Graduate Certificate

Certificate Requirements

- IET 41100 - Applications of Lean and Six Sigma Methodologies
Prerequisite: basic statistics and basic understanding of quality principles
- IT 50800 - Quality and Productivity in Industry and Technology
- IET 51000 - Product and Process Development Optimization
Prerequisite: basic statistics
- IET 52000 - Enterprise Quality Planning and Analysis
Prerequisite: basic statistics and IT 50800

Admission Requirements for Certificate-seeking Students

- B.S. from an accredited technology program or related fields.

Total 12 Credits Required

Combined

Biological Sciences, BS/MS

Students graduating from this combined program may receive both the Bachelor of Science and Master of Science degrees in Biological Sciences in five years, as compared to the six years needed to complete the degrees separately. This is accomplished by offering a supervised and seamless transition from the Bachelor of Science curriculum to the Master of Science curriculum that is designed to better enable our graduates to prepare for competitive positions in today's job market and/or admission to doctoral level graduate or professional schools.

Degree Requirements

Students may apply for admission to the program in their third year and will be carefully evaluated to ensure that they meet all university graduation requirements, including the completion of at least 32 credit hours at the 30000-level or above, for a Bachelor of Science degree. The Bachelor of Science/Master of Science combined curriculum consists of all required courses for the Bachelor of Science in Biological Sciences, including the biology core courses (18 credits), biology concentration required courses (7-8 credits), biology electives (a minimum of 12-14 credits of 30000 level or above), as well as all of the current graduate course requirements of the traditional Master's program.

The requirements for admission to the combined program are more stringent than the admission standards for the traditional Master of Science program. Students are required to maintain a minimum 3.25 GPA for the first 80 credit hours of course work and a grade of B- or higher in all biology basic core courses in the plan of study, in order to be conditionally admitted. Final admission to the graduate program requires that the student has a minimum 3.25 overall GPA, a minimum 3.25 GPA in all biology basic core courses, and receives a B- or higher grade in each of the graduate courses taken during his/her senior year. However, the application requirement of the traditional Master of Science program to take the GRE is waived.

The total credit hours required for this combined degree program will be 141 for those students awarded both Bachelor of Science and Master of Science degrees. The traditional Bachelor of Science in Biological Sciences requires 120 hours and the

Master of Science in Biological Sciences requires 30 hours, for a total of 150 hours. The combined program allows an overlap of 9 credit hours, thereby reducing the number of required hours to 141 and making it possible for qualified students to complete both degrees in five years. The graduate portion of the combined program offers both thesis and non-thesis options. The combined program allows students to receive the Bachelor of Science degree first upon completion of the undergraduate curriculum and the Master of Science degree later upon completion of the graduate plan of study. Students can choose to leave the combined program during the graduate portion of their study and still be eligible to receive the Bachelor of Science degree.

Total 141 Credits Required

Minors

A minor is a formalized sequence of approved coursework in an area of study outside of the student's major. A minor is not as extensive a program as the major. Most minors will be either (a) comprehensive study in a single discipline, or (b) interdisciplinary study focusing on a single theme. A minor consists of a minimum of 15 credit hours. The list below identifies the College as well as the location that offers the minor. Contact an academic advisor in the content area for additional information and details. <http://academics.pnw.edu/advising/>

Colleges

Business (COB)
Engineering and Sciences (COES)
Humanities, Education and Social Sciences (CHESS)
Nursing (CON)
Technology (COT)

Locations

Purdue University Northwest - Hammond (PUC)
Purdue University Northwest - Westville (PNC)

College	Minor	Location
COB	Accounting	PUC
CHESS	Advertising-Communication	PUC
COES	Applied Mathematics	PUC
COES	Astrophysics	PUC
COES	Biology	PUC
COES	Biotechnology	PUC
CHESS	Broadcasting	PUC
COB	Business	PUC/PNC
COB	Business Analytics	PUC
COES	Chemistry	PUC/PNC
COES	Civil Engineering	PUC
COES	Civil Engineering (Mechanical Engineering Majors only)	PNC
CHESS	Communication	PUC/PNC

COT	Computer & Information Technology	PNC
COES	Computer Science	PUC
CHESS	Creative and Professional Writing	PNC
COB	Culinary Art	PUC
CHESS	Disability Studies	PUC
CHESS	Diversity	PNC
COES	Ecology	PNC
COES	Electrical & Computer Engineering	PUC
COES	Electrical & Computer Engineering Technology	PNC
COES	Electrical Engineering (Mechanical Engineering Majors only)	PNC
CHESS	English	PUC
CHESS	English Literature	PNC
COB	Entrepreneurship	PUC
COES	Environmental Science	PUC
CHESS	Ethnic Studies	PUC
COB	Finance	PUC
COB	Foods and Nutrition	PUC
CHESS	French	PUC
CHESS	Gender Studies	PNC
CHESS	Gerontology	PUC
CHESS	Global Studies	PUC
CHESS	Government	PUC
CHESS	HDFS - Early Childhood	PUC
CHESS	Health Communication	PUC
CHESS	History	PUC/PNC
CHESS	Holistic Health and Wellness	PNC
COB	Hospitality Management	PUC

COB	Human Resources	PUC
COB	Human Resource Management	PNC
CHESS	Human Services	PUC
COES	Industrial Engineering Management (Mechanical Engineering Majors only)	PNC
COB	Information Systems	PUC
CHESS	International Communication	PUC
CHESS	Journalism	PUC
CHESS	Latin American Studies	PUC/PNC
COB	Marketing	PUC
COES	Math - Pre-service Elementary Teachers	PUC
COES	Mathematics	PUC
COES	Mechanical Engineering	PUC
CHESS	Media Culture	PUC
COB	Non-profit Management	PUC
CHESS	Organizational Communication	PUC
COT	Organizational Administration	PNC
COT	Organizational Leadership	PUC
CHESS	Philosophy	PUC
CHESS	Philosophy-Ethics-Religion	PNC
COES	Physics	PUC
CHESS	Political Science	PUC/PNC
CHESS	Psychology	PUC/PNC
CHESS	Public Relations	PUC
COB	Recreational Sports Management	PUC
COB	Sales	PUC
CHESS	Service Learning/Civic Engagement	PUC
CHESS	Sociology	PUC/PNC

CHESS	Spanish	PUC/PNC
COES	Sports Health	PNC
COES	Statistics	PUC
CHESS	Theater	PUC
CHESS	Visual Communications Design/Graphic Arts	PUC
CHESS	Women's Studies	PUC

Statewide Transfer General Education Core (STGEC)

The STGEC was developed by the public institutions of higher education in Indiana in response to Senate Enrolled Act 182 (2012). It enables a student who satisfactorily completes an approved program of general education in any one of those institutions to transfer that coursework to any other state educational institution as a block of 30 (thirty) credit hours towards the general education core requirements.